

WALTER REED ARMY INSTITUTE OF RESEARCH

INDEX TO PUBLICATIONS

2001

Table Of Contents

1. Preface	ii
2. Some Major Accomplishments	iii
3. Journal Articles	1-18
4. Abstracts	19-31
5. Book Chapters	32
6. Technical Reports	33
7. Patents	34-36
8. Author Index	37-91
9. Title Index	92-97
10. Subject Index	98-129

About the Walter Reed Army Institute of Research

The Walter Reed Army Institute of Research (WRAIR, pronounced "rare") consists of ten scientific divisions each representing a scientific discipline, six support divisions, two detachments in the United States and three overseas laboratories. The Institute specializes in medical research in biochemistry, immunology, experimental therapeutics, military medicine, neuropsychiatry, experimental pathology, blood products, preventive medicine, retrovirology [HIV], vaccines and their delivery systems, communicable diseases, biological and chemical threats, and combat dentistry and surgery. The staff is roughly 50% military and 50% civilian, equally divided between scientific and support personnel. Important organizational components of the WRAIR are the special field activities in Thailand, Kenya, and Germany. Research and support functions at the overseas labs are closely coordinated with efforts at the main facility near Washington, D.C.

The mission of WRAIR is to counter threats from three sources: biologically active substances, high energy and trauma, and stress and performance. The historic emphasis at WRAIR is research against naturally occurring infectious agents encountered in military training or operations. The threat of "biologically active substances" encompasses naturally occurring infectious diseases, toxins, and commonly used chemicals. In addition, there is significant research to counter physical (environmental) threats and psychological disease in training and in combat operations.

WRAIR primarily works at the applied research and pre-development level, but the Institute is also intimately involved in product development with the United States Army Medical Material Development Agency (USAMMDA), Ft. Detrick, MD. By chairing and serving on scientific steering committees, WRAIR scientists provide the technical guidance required for rational development of technical base initiatives. In addition, many products are developed and tested at the WRAIR Special Field Activity Laboratories.

WRAIR's efforts are not limited to research; WRAIR was originally founded in 1893 as the U.S. Army Medical School. It continues to be a center of learning through the military preventive medicine residency, a military medical research fellowship program, and short courses in tropical medicine, veterinary medicine and other subjects. Many of our post-doctoral fellowships bring outstanding young scientists to the Institute for up to two years at a time.

The vertical integration which marks WRAIR's structure has been present from the beginning. Just as Major Walter Reed did his outstanding work on yellow fever as a member of the first faculty, the Institute today still has the capability of identifying a threat, determining its cause, designing an answer, testing it under actual field conditions, and teaching others to use the results.

Some Major Accomplishments

- 1898: Reed-Vaughn-Shakespeare Typhoid Board established mechanism of transmission.
- 1900: Yellow Fever Board, in Cuba, proved mosquito transmission of yellow fever.
- 1910: Maj. C. R. Darnall developed the use of chlorine to purify drinking water.
- 1918: Maj. R. L. Kahn devised what became the standard serologic test for syphilis.
- 1925: Col. Calvin H. Goodard began work which led to the science of comparative ballistics.
- 1933: Atabrine was introduced as a substitute for quinine in combating malaria.
- 1940-45: Work by Cpt. D. B. Kendrick led to the first system of blood banking, storage and use.
- 1957: Drs. Hilleman and Buescher isolated Asian flu virus strain used to make first vaccine.
- 1962: Drs. Parkman, Artenstein and Buescher isolated the Rubella virus, leading to a vaccine.
- 1979: WRAIR psychologists played a major role in developing the Army's new manning system.
- 1982: WRAIR immunologists began work to develop the world's first promising malaria vaccine.
- 1990: Maj. Robert DeFraites, Maj. Jose Sanchez, and LTC Charles Hoke conducted a major vaccine vaccine field trial with a Japanese encephalitis virus vaccine. This was the last hurdle prior to licensure of a commercial product.
- 1995: A hepatitis A vaccine is licensed. WRAIR scientists did much of the preliminary research on this vaccine strain and a pivotal field trial in Thailand.

WRAIR 2001 JOURNAL ARTICLES

1. Abernethy, D.R., Wesche, D.L., Barbey, J.T., Ohrt, C., Mohanty, S., Pezzullo, J.C., Schuster, B.G. Stereoselective halofantrine disposition and effect:concentration-related QTc prolongation. Br J Clin Pharmacol. 2001; 51(3):231-7.
2. Abugo, O.O., Balagopalakrishna, C., Rifkind, J.M., Rudolph, A.S., Hess, J.R., Macdonald, V.W. Direct measurements of hemoglobin interactions with liposomes using EPR spectroscopy. Artif Cells Blood Substit Immobil Biotechnol. 2001; 29(1):5-18.
3. Aguiar, J.C., Hedstrom, R.C., Rogers, W.O., Charoenvit, Y., Sacci, J.B., Jr., Lanar, D.E., Majam, V.F., Stout, R.R., Hoffman, S.L. Enhancement of the immune response in rabbits to a malaria DNA vaccine by immunization with a needle-free jet device. Vaccine. 2001; 20(1-2):275-80.
4. Allen, R.C., Webster, A.R., Sui, R., Brown, J., Taylor, C.M., Stone, E.M. Molecular characterization and ophthalmic investigation of a large family with type 2A Von Hippel-Lindau Disease. Arch Ophthalmol. 2001; 119(11):1659-65.
5. Antoun, M.D., Ramos, Z., Vazques, J., Oquendo, I., Proctor, G.R., Gerena, L., Franzblau, S.G. Evaluation of the flora of Puerto Rico for in vitro antiplasmodial and antimycobacterial activities. Phytother Res. 2001; 15(7):638-42.
6. Avis, I., Hong, S.H., Martinez, A., Moody, T., Choi, Y.H., Trepel, J., Das, R., Jett, M., Mulshine, J.L. Five-lipoxygenase inhibitors can mediate apoptosis in human breast cancer cell lines through complex eicosanoid interactions. FASEB Journal. 2001; 15(11):2007-9.
7. Bakaltcheva, I., Gyimah, D., Reid, T. Effects of alpha-tocopherol on platelets and the coagulation system. Platelets. 2001; 12(7):389-94.
8. Balagon, M.V., Tan, P.L., Prestidge, R., Cellona, R.V., Abalos, R.M., Tan, E.V., Walsh, G.P., Watson, J.D., Walsh, D.S. Improvement in psoriasis after intradermal administration of delipidated, deglycolipidated *Mycobacterium vaccae* (PVAC): results of an open-label trial. Clin Exp Dermatol. 2001; 26(3):233-41.
9. Bao, W.L., Williams, A.J., Faden, A.I., Tortella, F.C. Selective mGluR5 receptor antagonist or agonist provides neuroprotection in a rat model of focal cerebral ischemia. Brain Res. 2001; 922(2):173-9.
10. Barnett, S.W., Lu, S., Srivastava, I., Cherpelis, S., Gettie, A., Blanchard, J., Wang, S., Mboudjeka, I., Leung, L., Lian, Y., Fong, A., Buckner, C., Ly, A., Hilt, S., Ulmer, J., Wild, C.T., Mascola, J.R., Stamatatos, L. The ability of an oligomeric human immunodeficiency virus type 1 (HIV-1) envelope antigen to elicit neutralizing antibodies against primary HIV-1 isolates is improved following partial deletion of the second hypervariable region. J Virol. 2001; 75(12):5526-40.
11. Barrett, S.F., Wright, C.H.G., Zwick, H., Wilcox, M., Rockwell, B.A., Naess, E. Efficiently tracking a moving object in two-dimensional image space. J Electron Imaging. 2001; 10(N3):785-93.
12. Basnyat, B., Zimmerman, M.D., Shrestha, Y., Scott, R.M., Endy, T.P. Persistent Japanese encephalitis in Kathmandu: The need for immunization. J Travel Med. 2001; 8(5):270-1.

13. Ben Mamoun, C., Gluzman, I.Y., Hott, C., MacMillan, S.K., Amarakone, A.S., Anderson, D.L., Carlton, J.M., Dame, J.B., Chakrabarti, D., Martin, R.K., Brownstein, B.H., Goldberg, D.E. Co-ordinated programme of gene expression during asexual intraerythrocytic development of the human malaria parasite *Plasmodium falciparum* revealed by microarray analysis. *Mol Microbiol*. 2001; 39(1):26-36.
14. Berman, J.D., Nielsen, R., Chulay, J.D., Dowler, M., Kain, K.C., Kester, K.E., Williams, J., Whelen, A.C., Shmuklarsky, M.J. Causal prophylactic efficacy of atovaquone-proguanil (Malarone) in a human challenge model. *Trans R Soc Trop Med Hyg*. 2001; 95(4):429-32.
15. Bhattacharjee, A.K. Assessment of cation-pi binding affinity of the aromatic ring in several chloroquine analogs and related antimalarials using the ab initio quantum chemical (6-31G**) theory. *J Mol Struct Theochem*. 2001; 549(SI):27-37.
16. Bhattacharjee, A.K., Kyle, D.E., Vennerstrom, J.L. Structural analysis of chloroquine resistance reversal by imipramine analogs. *Antimicrob Agents Chemother*. 2001; 45(9):2655-7.
17. Blanchard, T.W., Bryant, N.J., Mense, M.G. Balloon cell melanoma in three dogs: a histopathological, immunohistochemical and ultrastructural study. *J Comp Pathol*. 2001; 125(4):254-61.
18. Bodo, M., Perjes, G., Kalman, E., Bacska, E., Berko, K., Sarkadi, A., Nagy, I., Keim, K.L., Matysik, F.M., Csomor, K., McCarron, R., Zagvazdin, Y., Rosenthal, M., Morrisette, C., Herendy, E., Szporny, L., Nagy, Z. Screening for cerebroprotective agents using an in vivo model of cerebral reversible depolarization in awake rats. *Pharmacol Res*. 2001; 44(5):419-29.
19. Bojang, K.A., Milligan, P.J., Pinder, M., Vigneron, L., Alloueche, A., Kester, K.E., Ballou, W.R., Conway, D.J., Reece, W.H., Gothard, P., Yamuah, L., Delchambre, M., Voss, G., Greenwood, B.M., Hill, A., McAdam, K.P., Tornieporth, N., Cohen, J.D., Doherty, T. Efficacy of RTS,S/AS02 malaria vaccine against *Plasmodium falciparum* infection in semi-immune adult men in The Gambia: a randomised trial. *Lancet*. 2001; 358(9297):1927-34.
20. Bolan, C.D., Greer, S.E., Cecco, S.A., Oblitas, J.M., Rehak, N.N., Leitman, S.F. Comprehensive analysis of citrate effects during plateletpheresis in normal donors. *Transfusion*. 2001; 41(9):1165-71.
21. Bolan, C.D., Leitman, S.F., Griffith, L.M., Wesley, R.A., Procter, J.L., Stroncek, D.F., Barrett, A.J., Childs, R.W. Delayed donor red cell chimerism and pure red cell aplasia following major ABO-incompatible nonmyeloablative hematopoietic stem cell transplantation. *Blood*. 2001; 98(6):1687-94.
22. Brown, A.E., Dolan, M.J., Michael, N.L., Zhou, S., Perfetto, S.P., Hawkes, C., Robb, M., Lane, J., Mayers, D., McNeil, J.G., Malone, J.D., Garner, R., Brix, D.L. Clinical prognosis of patients with early-stage human immunodeficiency virus (HIV) disease: contribution of HIV-1 RNA and T lymphocyte subset quantitation. *Mil Med*. 2001; 166(7):571-6.
23. Calkins, M.D., Kuzma, P.J., Larkin, T.M., Green, D.L. Pain management in the special operations environment: regional anesthetics. *Mil Med*. 2001; 166(3):211-6.
24. Callahan, J.D., Wu, S.J., Dion-Schultz, A., Mangold, B.E., Peruski, L.F., Watts, D.M., Porter, K.R., Murphy, G.R., Suharyono, W., King, C.C., Hayes, C.G., Temenak, J.J.

- Development and evaluation of serotype- and group-specific fluorogenic reverse transcriptase PCR (TaqMan) assays for dengue virus. *J Clin Microbiol*. 2001; 39(11):4119-24.
25. Cannon, C.E., Pavlin, J.A., Vaeth, M.F., Ludwig, G.V., Writer, J.V., Pagac, B.B., Goldenbaum, M.B., Kelley, P.W. Department of Defense West Nile virus surveillance. *Ann N Y Acad Sci*. 2001; 951:340-2.
 26. Carr, J.K., Avila, M., Gomez Carrillo, M., Salomon, H., Hierholzer, J., Watanaveeradej, V., Pando, M.A., Negrete, M., Russell, K.L., Sanchez, J., Birx, D.L., Andrade, R., Vinoles, J., McCutchan, F.E. Diverse BF recombinants have spread widely since the introduction of HIV-1 into South America. *AIDS*. 2001; 15(15):F41-7.
 27. Carr, J.K., Torimiro, J.N., Wolfe, N.D., Eitel, M.N., Kim, B., Sanders-Buell, E., Jagodzinski, L.L., Gotte, D., Burke, D.S., Birx, D.L., McCutchan, F.E. The AG recombinant IbNG and novel strains of group M HIV-1 are common in Cameroon. *Virology*. 2001; 286(1):168-81.
 28. Chan, P.C., Ho, K.H., Kan, K.K., Stuhmiller, J.H., Mayorga, M.A. Evaluation of impulse noise criteria using human volunteer data. *J Acoust Soc Am*. 2001; 110(4):1967-75.
 29. Clapp, C.H., Senchak, S.E., Stover, T.J., Potter, T.C., Findeis, P.M., Novak, M.J. Soybean lipoxygenase-mediated oxygenation of monounsaturated fatty acids to enones. *J Am Chem Soc*. 2001; 123(4):747-8.
 30. Cohn, M.A., Frankel, S.S., Rugpao, S., Young, M.A., Willett, G., Tovanabutra, S., Khamboonruang, C., VanCott, T., Bhoopat, L., Barrick, S., Fox, C., Quinn, T.C., Vahey, M., Nelson, K.E., Weissman, D. Chronic inflammation with increased human immunodeficiency virus (HIV) RNA expression in the vaginal epithelium of HIV-infected Thai women. *J Infect Dis*. 2001; 184(4):410-7.
 31. Coleman, R.E., Polsa, N., Eikarat, N., Kollars, T.M., Jr., Sattabongkot, J. Prevention of sporogony of Plasmodium vivax in Anopheles dirus mosquitoes by transmission-blocking antimalarials. *Am J Trop Med Hyg*. 2001; 65(3):214-8.
 32. Conn, J.E., Bollback, J.P., Onyabe, D.Y., Robinson, T.N., Wilkerson, R.C., Povo, M.M. Isolation of polymorphic microsatellite markers from the malaria vector Anopheles darlingi. *Mol Ecol Notes*. 2001; 1(4):223-5.
 33. Cross, A.S., Opal, S.M., Warren, H.S., Palardy, J.E., Glaser, K., Parejo, N.A., Bhattacharjee, A.K. Active immunization with a detoxified Escherichia coli J5 lipopolysaccharide group B meningococcal outer membrane protein complex vaccine protects animals from experimental sepsis. *J Infect Dis*. 2001; 183(7):1079-86.
 34. Cui, L., Rajasekariah, G.R., Martin, S.K. A nonspecific nucleoside hydrolase from Leishmania donovani: implications for purine salvage by the parasite. *Gene*. 2001; 280(1-2):153-62.
 35. Cui, L., Rzomp, K.A., Fan, Q., Martin, S.K., Williams, J. Plasmodium falciparum: differential display analysis of gene expression during gametocytogenesis. *Exp Parasitol*. 2001; 99(4):244-54.
 36. Cuzzubbo, A.J., Endy, T.P., Nisalak, A., Kalayanarooj, S., Vaughn, D.W., Ogata, S.A., Clements, D.E., Devine, P.L. Use of recombinant envelope proteins for serological diagnosis of Dengue virus infection in an immunochromatographic assay. *Clin Diagn Lab Immunol*. 2001; 8(6):1150-5.

37. Dalsgaard, A., Serichantalergs, O., Forslund, A., Lin, W., Mekalanos, J., Mintz, E., Shimada, T., Wells, J.G. Clinical and environmental isolates of *Vibrio cholerae* serogroup O141 carry the CTX phage and the genes encoding the toxin-coregulated pili. *J Clin Microbiol.* 2001; 39(11):4086-92.
38. Das, R., Hammamieh, R., Neill, R., Melhem, M., Jett, M. Expression pattern of fatty acid-binding proteins in human normal and cancer prostate cells and tissues. *Clin Cancer Res.* 2001; 7(6):1706-15.
ADA392498
39. De Souza, M.S., Trichavaroj, R., Sriplienchan, S., Buapunth, P., Renzullo, P.O., Chuenchitra, C., Birx, D.L., Robb, M.L., Brown, A.E. Detection and quantification of HIV type 1 RNA in nasopharyngeal washes from HIV-infected subjects. *AIDS Res Hum Retroviruses.* 2001; 17(3):229-32.
40. Debboun, M., Coleman, R.E., Sithiprasasna, R., Gupta, R.K., Strickman, D. Soldier acceptability of a camouflage face paint combined with DEET insect repellent. *Mil Med.* 2001; 166(9):777-82.
41. Dietze, R., Carvalho, S.F., Valli, L.C., Berman, J., Brewer, T., Milhous, W., Sanchez, J., Schuster, B., Grogl, M. Phase 2 trial of WR6026, an orally administered 8-aminoquinoline, in the treatment of visceral leishmaniasis caused by *Leishmania chagasi*. *Am J Trop Med Hyg.* 2001; 65(6):685-9.
42. Ding, X.Z., Fernandez-Prada, C.M., Bhattacharjee, A.K., Hoover, D.L. Over-expression of hsp-70 inhibits bacterial lipopolysaccharide-induced production of cytokines in human monocyte-derived macrophages. *Cytokine.* 2001; 16(6):210-9.
43. Dorn, A., Scovill, J.P., Ellis, W.Y., Matile, H., Ridley, R.G., Vennerstrom, J.L. Floxacrine analog WR 243251 inhibits hematin polymerization. *Am J Trop Med Hyg.* 2001; 65(1):19-20.
44. Duarte, E.C., Pang, L.W., Ribeiro, L.C., Fontes, C.J. Association of subtherapeutic dosages of a standard drug regimen with failures in preventing relapses of vivax malaria. *Am J Trop Med Hyg.* 2001; 65(5):471-6.
45. Durbin, A.P., Karron, R.A., Sun, W., Vaughn, D.W., Reynolds, M.J., Perreault, J.R., Thumar, B., Men, R., Lai, C.J., Elkins, W.R., Chanock, R.M., Murphy, B.R., Whitehead, S.S. Attenuation and immunogenicity in humans of a live dengue virus type-4 vaccine candidate with a 30 nucleotide deletion in its 3'-untranslated region. *Am J Trop Med Hyg.* 2001; 65(5):405-13.
46. Dutta, S., Ware, L.A., Barbosa, A., Ockenhouse, C.F., Lanar, D.E. Purification, characterization, and immunogenicity of a disulfide cross-linked *Plasmodium vivax* vaccine candidate antigen, merozoite surface protein 1, expressed in *Escherichia coli*. *Infect Immun.* 2001; 69(9):5464-70.
47. Edstein, M.D., Kocisko, D.A., Brewer, T.G., Walsh, D.S., Eamsila, C., Charles, B.G. Population pharmacokinetics of the new antimalarial agent tafenoquine in Thai soldiers. *Br J Clin Pharmacol.* 2001; 52(6):663-70.
48. Edstein, M.D., Walsh, D.S., Eamsila, C., Sasiprapha, T., Nasveld, P.E., Kitchener, S., Rieckmann, K.H. Malaria prophylaxis/radical cure: recent experiences of the Australian Defence Force. *Med Trop.* 2001; 61(1):56-8.

49. Eikenberg, S.L. Comparison of the cutting efficiencies of electric motor and air turbine dental handpieces. *Gen Dent*. 2001; 49(2):199-204.
50. Elsayed, N.M. Diet restriction modulates lung response and survivability of rats exposed to ozone. *Toxicology*. 2001; 159(3):171-82.
51. Enyedy, E.J., Mitchell, J.P., Nambiar, M.P., Tsokos, G.C. Defective FcgammaRIIb1 signaling contributes to enhanced calcium response in B cells from patients with systemic lupus erythematosus. *Clin Immunol*. 2001; 101(2):130-5.
52. Enyedy, E.J., Nambiar, M.P., Liossis, S.N., Dennis, G., Kammer, G.M., Tsokos, G.C. Fc epsilon receptor type I gamma chain replaces the deficient T cell receptor zeta chain in T cells of patients with systemic lupus erythematosus. *Arthritis Rheum*. 2001; 44(5):1114-21.
ADA393261
53. Fernandez-Prada, C.M., Nikolich, M., Vemulapalli, R., Sriranganathan, N., Boyle, S.M., Schurig, G.G., Hadfield, T.L., Hoover, D.L. Deletion of wboA enhances activation of the lectin pathway of complement in *Brucella abortus* and *Brucella melitensis*. *Infect Immun*. 2001; 69(7):4407-16.
ADA392499
54. Fonseca, D.M., Campbell, S., Crans, W.J., Mogi, M., Miyagi, I., Toma, T., Bullians, M., Andreadis, T.G., Berry, R.L., Pagac, B., Sardelis, M.R., Wilkerson, R.C. Aedes (Finlaya) japonicus (Diptera: Culicidae), a newly recognized mosquito in the United States: analyses of genetic variation in the United States and putative source populations. *J Med Entomol*. 2001; 38(2):135-46.
55. Forney, J.R., Magill, A.J., Wongsrichanalai, C., Sirichaisinthop, J., Bautista, C.T., Heppner, D.G., Miller, R.S., Ockenhouse, C.F., Gubanov, A., Shafer, R., DeWitt, C.C., Quino-Ascurrera, H.A., Kester, K.E., Kain, K.C., Walsh, D.S., Ballou, W.R., Gasser, R.A., Jr. Malaria rapid diagnostic devices: performance characteristics of the ParaSight F device determined in a multisite field study. *J Clin Microbiol*. 2001; 39(8):2884-90.
56. Fries, L.F., Montemarano, A.D., Mallett, C.P., Taylor, D.N., Hale, T.L., Lowell, G.H. Safety and immunogenicity of a proteosome-Shigella flexneri 2a lipopolysaccharide vaccine administered intranasally to healthy adults. *Infect Immun*. 2001; 69(7):4545-53.
57. Galbicka, G., Ritchie, V., Ferguson, J., Didie, E.R., Doan-Wellons, Q. Effects of advanced candidate anticonvulsants under two rodent models of 'counting'. *J Appl Toxicol*. 2001; 21(Suppl 1):S109-14.
58. Genovese, R.F., Nguyen, H.A., Mog, S.R. Effects of arteether on an auditory radial-arm maze task in rats. *Physiol Behav*. 2001; 73(1-2):87-91.
59. Gordon, R.K., Nigam, S.V., Weitz, J.A., Dave, J.R., Doctor, B.P., Ved, H.S. The NMDA receptor ion channel: a site for binding of Huperzine A. *J Appl Toxicol*. 2001; 21(Suppl 1):S47-51.
60. Gray, R.H., Wabwire-Mangen, F., Kigozi, G., Sewankambo, N.K., Serwadda, D., Moulton, L.H., Quinn, T.C., O'Brien, K.L., Meehan, M., Abramowsky, C., Robb, M., Wawer, M.J. Randomized trial of presumptive sexually transmitted disease therapy during pregnancy in Rakai, Uganda. *Am J Obstet Gynecol*. 2001; 185(5):1209-17.

61. Gray, R.H., Wawer, M.J., Brookmeyer, R., Sewankambo, N.K., Serwadda, D., Wabwire-Mangen, F., Lutalo, T., Li, X., vanCott, T., Quinn, T.C. Probability of HIV-1 transmission per coital act in monogamous, heterosexual, HIV-1-discordant couples in Rakai, Uganda. *Lancet*. 2001; 357(9263):1149-53.
62. Halstead, S.B., Streit, T.G., Lafontant, J.G., Putvatana, R., Russell, K., Sun, W., Kanessa-Thasan, N., Hayes, C.G., Watts, D.M. Haiti: absence of dengue hemorrhagic fever despite hyperendemic dengue virus transmission. *Am J Trop Med Hyg*. 2001; 65(3):180-3.
63. Hamilos, D.L., Nutter, D., Gershenson, J., Ikle, D., Hamilos, S.S., Redmond, D.P., Di Clementi, J.D., Schmaling, K.B., Jones, J.F. Circadian rhythm of core body temperature in subjects with chronic fatigue syndrome. *Clin Physiol*. 2001; 21(2):184-95.
64. Hammond, S.A., Walwender, D., Alving, C.R., Glenn, G.M. Transcutaneous immunization: T cell responses and boosting of existing immunity. *Vaccine*. 2001; 19(17-19):2701-7.
65. Hanson, C.E., Ruble, G.R., Essiet, I., Hartman, A.B. Effects of buprenorphine on immunogenicity and protective efficacy in the guinea pig keratoconjunctivitis model (Sereny test). *Comp Med*. 2001; 51(3):224-9.
66. Harre, J.G., Dorsey, K.M., Armstrong, K.L., Burge, J.R., Kinnamon, K.E. Comparative fecundity and survival rates of Phlebotomus papatasi sandflies membrane fed on blood from eight mammal species. *Med Vet Entomol*. 2001; 15(2):189-96.
67. Harris, L.D., Custer, L.B., Soranaka, E.T., Burge, J.R., Ruble, G.R. Evaluation of objects and food for environmental enrichment of NZW rabbits. *Contemp Top Lab Anim Sci*. 2001; 40(1):27-30.
68. Hay, S.I., Rogers, D.J., Shanks, G.D., Myers, M.F., Snow, R.W. Malaria early warning in Kenya. *Trends Parasitol*. 2001; 17(2):95-9.
69. He, J., Hayes, C.G., Binn, L.N., Seriwatana, J., Vaughn, D.W., Kuschner, R.A., Innis, B.L. Hepatitis E virus DNA vaccine elicits immunologic memory in mice. *J Biomed Sci*. 2001; 8(2):223-6.
70. Heppner, D.G., Cummings, J.F., Ockenhouse, C., Kester, K.E., Lyon, J.A., Gordon, D.M. New World monkey efficacy trials for malaria vaccine development: critical path or detour? *Trends Parasitol*. 2001; 17(9):419-25.
71. Herndon, T.M., Kim, T.T., Goeckeritz, B.E., Moores, L.K., Oglesby, R.J., Dennis, G.J. Alveolar hemorrhage and pulmonary hypertension in systemic sclerosis: a continuum of scleroderma renal crisis? *J Clin Rheumatol*. 2001; 7:115-9.
ADA393264
72. Herndon, T.M., Shan, X.C., Tsokos, G.C., Wange, R.L. ZAP-70 and SLP-76 regulate protein kinase C-theta and NF-kappa B activation in response to engagement of CD3 and CD28. *J Immunol*. 2001; 166(9):5654-64.
73. Hess, J.R., Hill, H.R., Oliver, C.K., Lippert, L.E., Greenwalt, T.J. The effect of two additive solutions on the postthaw storage of RBCs. *Transfusion*. 2001; 41(7):923-7.
74. Hess, J.R., Rugg, N., Gormas, J.K., Knapp, A.D., Hill, H.R., Oliver, C.K., Lippert, L.E., Silberstein, E.B., Greenwalt, T.J. RBC storage for 11 weeks. *Transfusion*. 2001;

41(12):1586-90.

75. Hess, J.R., Rugg, N., Knapp, A.D., Gormas, J.F., Hill, H.R., Oliver, C.K., Lippert, L.E., Greenwalt, T.J. The role of electrolytes and pH in RBC ASs. *Transfusion*. 2001; 41(8):1045-51.
76. Hill, H.R., Oliver, C.K., Lippert, L.E., Greenwalt, T.J., Hess, J.R. The effects of polyvinyl chloride and polyolefin blood bags on red blood cells stored in a new additive solution. *Vox Sang*. 2001; 81(3):161-6.
77. Hioe, C.E., Tuen, M., Chien, P.C., Jr., Jones, G., Ratto-Kim, S., Norris, P.J., Moretto, W.J., Nixon, D.F., Gorny, M.K., Zolla-Pazner, S. Inhibition of human immunodeficiency virus type 1 gp120 presentation to CD4 T cells by antibodies specific for the CD4 binding domain of gp120. *J Virol*. 2001; 75(22):10950-7.
78. Hoelscher, M., Kim, B., Maboko, L., Mhalu, F., von Sonnenburg, F., Birx, D.L., McCutchan, F.E. High proportion of unrelated HIV-1 intersubtype recombinants in the Mbeya region of southwest Tanzania. *AIDS*. 2001; 15(12):1461-70.
79. Hong, S.P., Yoo, W.D., Putnak, R., Eckels, K.H., Rho, H.M., Kim, S.O. Nucleotide sequence of envelope protein of Japanese encephalitis virus SA14-14-2 adapted to vero cells. *DNA Seq*. 2001; 12(5-6):437-42.
80. Hong, S.P., Yoo, W.D., Putnak, R., Srivastava, A.K., Eckels, K.H., Chung, Y.J., Rho, H.M., Kim, S.O. Preparation of a purified, inactivated Japanese encephalitis (JE) virus vaccine in Vero cells. *Biotechnol Lett*. 2001; 23(N19):1565-73.
81. Houng, H.S., Chen, R.C., Vaughn, D.W., Kanessa-thasan, N. Development of a fluorogenic RT-PCR system for quantitative identification of dengue virus serotypes 1-4 using conserved and serotype-specific 3' noncoding sequences. *J Virol Methods*. 2001; 95(1-2):19-32.
82. Houng, H.S., Sethabutr, O., Nirdnoy, W., Katz, D.E., Pang, L.W. Development of a ceuE-based multiplex polymerase chain reaction (PCR) assay for direct detection and differentiation of *Campylobacter jejuni* and *Campylobacter coli* in Thailand. *Diagn Microbiol Infect Dis*. 2001; 40(1-2):11-9.
83. Ioannidis, J.P., Rosenberg, P.S., Goedert, J.J., Ashton, L.J., Benfield, T.L., Buchbinder, S.P., Coutinho, R.A., Eugen-Olsen, J., Gallart, T., Katzenstein, T.L., Kosrikis, L.G., Kuipers, H., Louie, L.G., Mallal, S.A., Margolick, J.B., Martinez, O.P., Meyer, L., Michael, N.L., Operksalski, E., Pantaleo, G., Rizzardi, G.P., Schuitemaker, H., Sheppard, H.W., Stewart, G.J., Theodorou, I.D., Ullum, H., Vicenzi, E., Vlahov, D., Wilkinson, D., Workman, C., Zagury, J.F., O'Brien, T.R. Effects of CCR5-Delta32, CCR2-64I, and SDF-1 3'A alleles on HIV-1 disease progression: An international meta-analysis of individual-patient data. *Ann Intern Med*. 2001; 135(9):782-95.
84. Isenbarger, D.W., Hien, B.T., Ha, H.T., Ha, T.T., Bodhidatta, L., Pang, L.W., Cam, P.D. Prospective study of the incidence of diarrhoea and prevalence of bacterial pathogens in a cohort of Vietnamese children along the Red River. *Epidemiol Infect*. 2001; 127(2):229-36.
85. Ishizaki, K., Nishizawa, K., Kato, T., Kitao, H., Han, Z.B., Hirayama, J., Suzuki, F., Cannon, T.F., Kamigaichi, S., Tawarayama, Y., Masukawa, M., Shimazu, T., Ikenaga, M. Genetic changes induced in human cells in Space Shuttle experiment (STS-95). *Aviat Space Environ Med*. 2001; 72(9):794-8.

86. Iyer, J.K., Milhous, W.K., Cortese, J.F., Kublin, J.G., Plowe, C.V. Plasmodium falciparum cross-resistance between trimethoprim and pyrimethamine. *Lancet*. 2001; 358(9287):1066-7.
87. Janini, M., Rogers, M., Birx, D.R., McCutchan, F.E. Human immunodeficiency virus type 1 DNA sequences genetically damaged by hypermutation are often abundant in patient peripheral blood mononuclear cells and may be generated during near-simultaneous infection and activation of CD4(+) T cells. *J Virol*. 2001; 75(17):7973-86.
88. Jiang, S., Prigge, S.T., Wei, L., Gao, Y., Hudson, T.H., Gerena, L., Dame, J.B., Kyle, D.E. New class of small nonpeptidyl compounds blocks Plasmodium falciparum development in vitro by inhibiting plasmepsins. *Antimicrob Agents Chemother*. 2001; 45(9):2577-84.
89. Jonas, W., Lin, Y., Tortella, F. Neuroprotection from glutamate toxicity with ultra-low dose glutamate. *Neuroreport*. 2001; 12(2):335-9.
90. Jones, T.R., Narum, D.L., Gozalo, A.S., Aguiar, J., Fuhrmann, S.R., Liang, H., Haynes, J.D., Moch, J.K., Lucas, C., Luu, T., Magill, A.J., Hoffman, S.L., Sim, B.K.L. Protection of Aotus monkeys by Plasmodium falciparum EBA-175 region II DNA prime-protein boost immunization regimen. *J Infect Dis*. 2001; 183(2):303-12.
91. Kain, K.C., Shanks, G.D., Keystone, J.S. Malaria chemoprophylaxis in the age of drug resistance. I. Currently recommended drug regimens. *Clin Infect Dis*. 2001; 33(2):226-34.
92. Kanessa-thasan, N., Sun, W., Kim-Ahn, G., Van Albert, S., Putnak, J.R., King, A., Raengsakulsrach, B., Christ-Schmidt, H., Gilson, K., Zahradnik, J.M., Vaughn, D.W., Innis, B.L., Saluzzo, J.F., Hoke, C.H., Jr. Safety and immunogenicity of attenuated dengue virus vaccines (Aventis Pasteur) in human volunteers. *Vaccine*. 2001; 19(23-24):3179-88.
93. Kant, G.J., Bauman, R.A., Feaster, S.R., Anderson, S.M., Saviolakis, G.A., Garcia, G.E. The combined effects of pyridostigmine and chronic stress on brain cortical and blood acetylcholinesterase, corticosterone, prolactin and alternation performance in rats. *Pharmacol Biochem Behav*. 2001; 70(2-3):209-18.
94. Katz, D.E., Taylor, D.N. Parasitic infections of the gastrointestinal tract. *Gastroenterol Clin North Am*. 2001; 30(3):797-815, x.
95. Kester, K.E., McKinney, D.A., Tornieporth, N., Ockenhouse, C.F., Heppner, D.G., Hall, T., Krzych, U., Delchambre, M., Voss, G., Dowler, M.G., Palensky, J., Wites, J., Cohen, J., Ballou, W.R. Efficacy of recombinant circumsporozoite protein vaccine regimens against experimental Plasmodium falciparum malaria. *J Infect Dis*. 2001; 183(4):640-7.
96. Kim, J.H., Mascola, J.R., Ratto-Kim, S., VanCott, T.C., Loomis-Price, L., Cox, J.H., Michael, N.L., Jagodzinski, L., Hawkes, C., Mayers, D., Gilliam, B.L., Birx, D.C., Robb, M.L. Selective increases in HIV-specific neutralizing antibody and partial reconstitution of cellular immune responses during prolonged, successful drug therapy of HIV infection. *AIDS Res Hum Retroviruses*. 2001; 17(11):1021-34.
97. Klun, J.A., Schmidt, W.F., Debboun, M. Stereochemical effects in an insect repellent. *J Med Entomol*. 2001; 38(6):809-12.

98. Koenig, M.L., Sgarlat, C.M., Yourick, D.L., Long, J.B., Meyerhoff, J.L. In vitro neuroprotection against glutamate-induced toxicity by pGlu-Glu-Pro-NH(2) (EEP)(1). *Peptides*. 2001; 22(12):2091-7.
99. Kollars, T.M., Jr., Kengluecha, A. Spotted fever group Rickettsia in *Dermacentor variabilis* (Acari: Ixodidae) infesting raccoons (Carnivora: Procyonidae) and opossums (Marsupialia: Didelphimorphidae) in Tennessee. *J Med Entomol*. 2001; 38(4):601-2.
100. Kollars, T.M., Jr., Tippayachai, B., Bodhidatta, D. Thai tick typhus, *Rickettsia honei*, and a unique *Rickettsia* detected in *Ixodes granulatus* (Ixodidae: Acari) from Thailand. *Am J Trop Med Hyg*. 2001; 65(5):535-7.
101. Kolodny, N., Kitov, S., Vassell, M.A., Miller, V.L., Ware, L.A., Fegeding, K., De La Vega, P., Sacci, J.B., Jr., Lanar, D.E. Two-step chromatographic purification of recombinant *Plasmodium falciparum* circumsporozoite protein from *Escherichia coli*. *J Chromatogr B Biomed Sci Appl*. 2001; 762(1):77-86.
ADA404886
102. Komisar, J.L., Weng, C.F., Oyejide, A., Hunt, R.E., Briscoe, C., Tseng, J. Cellular and cytokine responses in the circulation and tissue reactions in the lung of rhesus monkeys (*Macaca mulatta*) pretreated with cyclosporin A and challenged with staphylococcal enterotoxin B. *Toxicol Pathol*. 2001; 29(3):369-78.
103. Krishnamurti, C., Kalayanarooj, S., Cutting, M.A., Peat, R.A., Rothwell, S.W., Reid, T.J., Green, S., Nisalak, A., Endy, T.P., Vaughn, D.W., Nimmannitya, S., Innis, B.L. Mechanisms of hemorrhage in dengue without circulatory collapse. *Am J Trop Med Hyg*. 2001; 65(6):840-7.
104. Krishnan, S., Warke, V.G., Nambiar, M.P., Wong, H.K., Tsokos, G.C., Farber, D.L. Generation and biochemical analysis of human effector CD4 T cells: alterations in tyrosine phosphorylation and loss of CD3zeta expression. *Blood*. 2001; 97(12):3851-9.
105. Kurtis, J.D., Hollingdale, M.R., Luty, A.J., Lanar, D.E., Krzych, U., Duffy, P.E. Pre-erythrocytic immunity to *Plasmodium falciparum*: the case for an LSA-1 vaccine. *Trends Parasitol*. 2001; 17(5):219-23.
106. Kurtis, J.D., Mtalib, R., Onyango, F.K., Duffy, P.E. Human resistance to *Plasmodium falciparum* increases during puberty and is predicted by dehydroepiandrosterone sulfate levels. *Infect Immun*. 2001; 69(1):123-8.
107. Ladda, R., Aikawa, M., Sprinz, H. Penetration of erythrocytes by merozoites of mammalian and avian malarial parasites. 1969. *J Parasitol*. 2001; 87(3):470-8.
108. LaMonica, R., Kocer, S.S., Nazarova, J., Dowling, W., Geimonen, E., Shaw, R.D., Mackow, E.R. VP4 differentially regulates TRAF2 signaling, disengaging JNK activation while directing NF-kappa B to effect rotavirus-specific cellular responses. *J Biol Chem*. 2001; 276(23):19889-96.
109. Lawless, N., Tobias, S., Mayorga, M.A. FiO₂ and positive end-expiratory pressure as compensation for altitude-induced hypoxemia in an acute respiratory distress syndrome model: implications for air transportation of critically ill patients. *Crit Care Med*. 2001; 29(11):2149-55.
110. Li, Z., Le Roch, K., Geyer, J.A., Woodard, C.L., Prigge, S.T., Koh, J., Doerig, C.,

- Waters, N.C. Influence of human p16(INK4) and p21(CIP1) on the in vitro activity of recombinant Plasmodium falciparum cyclin-dependent protein kinases. Biochem Biophys Res Commun. 2001; 288(5):1207-11.
111. Libratty, D.H., Pichyangkul, S., Ajariyakhajorn, C., Endy, T.P., Ennis, F.A. Human dendritic cells are activated by dengue virus infection: enhancement by gamma interferon and implications for disease pathogenesis. J Virol. 2001; 75(8):3501-8.
 112. Lindler, L.E., Fan, W., Jahan, N. Detection of ciprofloxacin-resistant *Yersinia pestis* by fluorogenic PCR using the LightCycler. J Clin Microbiol. 2001; 39(10):3649-55. ADA395206
 113. Lu, X.C., Williams, A.J., Tortella, F.C. Quantitative electroencephalography spectral analysis and topographic mapping in a rat model of middle cerebral artery occlusion. Neuropathol Appl Neurobiol. 2001; 27(6):481-95.
 114. Lumley, L.A., Robison, C.L., Chen, W.K., Mark, B., Meyerhoff, J.L. Vasopressin into the preoptic area increases grooming behavior in mice. Physiol Behav. 2001; 73(4):451-5.
 115. Marin, R. Physical medicine and rehabilitation in the military: the Bosnian mass casualty experience. Mil Med. 2001; 166(4):335-7.
 116. Marovich, M., Grouard-Vogel, G., Louder, M., Eller, M., Sun, W., Wu, S.J., Putvatana, R., Murphy, G., Tassaneetrithep, B., Burgess, T., Birx, D., Hayes, C., Schlesinger-Frankel, S., Mascola, J. Human dendritic cells as targets of dengue virus infection. J Invest Dermatol Symp Proc. 2001; 6(3):219-24.
 117. Marovich, M.A., Lira, R., Shepard, M., Fuchs, G.H., Kruetzer, R., Nutman, T.B., Neva, F.A. Leishmaniasis recidivans recurrence after 43 years: a clinical and immunologic report after successful treatment. Clin Infect Dis. 2001; 33(7):1076-9.
 118. Martinez-Lacaci, I., De Santis, M., Kannan, S., Bianco, C., Kim, N., Wallace-Jones, B., Wechselberger, C., Ebert, A.D., Salomon, D.S. Regulation of heparin-binding EGF-like growth factor expression in Ha-ras transformed human mammary epithelial cells. J Cell Physiol. 2001; 186(2):233-42.
 119. Martinowitz, U., Holcomb, J.B., Pusateri, A.E., Stein, M., Onaca, N., Freidman, M., Macaitis, J.M., Castel, D., Hedner, U., Hess, J.R. Intravenous rFVIIa administered for hemorrhage control in hypothermic coagulopathic swine with grade V liver injuries. J Trauma. 2001; 50(4):721-9.
 120. McClain, J.B., Edelman, R., Shmuklarsky, M., Que, J., Cryz, S.J., Cross, A.S. Unusual persistence in healthy volunteers and ill patients of hyperimmune immunoglobulin directed against multiple *Pseudomonas* O-chain and *Klebsiella* serotypes after intravenous infusion. Vaccine. 2001; 19(25-26):3499-508.
 121. McDonald, R.A., Chang, G., Michael, N.L. Relationship between V3 genotype, biologic phenotype, tropism, and coreceptor use for primary isolates of human immunodeficiency virus type 1. J Hum Virol. 2001; 4(4):179-87.
 122. McLeod, R., Muench, S.P., Rafferty, J.B., Kyle, D.E., Mui, E.J., Kirisits, M.J., Mack, D.G., Roberts, C.W., Samuel, B.U., Lyons, R.E., Dorris, M., Mihous, W.K., Rice, D.W. Triclosan inhibits the growth of *Plasmodium falciparum* and *Toxoplasma gondii* by inhibition of Apicomplexan Fab I. Int J Parasitol. 2001; 31(2):109-13.

123. Mehltra, R.K., Fujioka, H., Roepe, P.D., Janneh, O., Ursos, L.M., Jacobs-Lorena, V., McNamara, D.T., Bockarie, M.J., Kazura, J.W., Kyle, D.E., Fidock, D.A., Zimmerman, P.A. Evolution of a unique *Plasmodium falciparum* chloroquine-resistance phenotype in association with pfcrt polymorphism in Papua New Guinea and South America. *Proc Natl Acad Sci U S A.* 2001; 98(22):12689-94.
124. Mense, M.G., Van De Verg, L.L., Bhattacharjee, A.K., Garrett, J.L., Hart, J.A., Lindler, L.E., Hadfield, T.L., Hoover, D.L. Bacteriologic and histologic features in mice after intranasal inoculation of *Brucella melitensis*. *Am J Vet Res.* 2001; 62(3):398-405. ADA395280
125. Milhous, W.K. Development of new drugs for chemoprophylaxis of malaria. *Med Trop.* 2001; 61(1):48-50.
126. Munasinghe, A., Patankar, S., Cook, B.P., Madden, S.L., Martin, R.K., Kyle, D.E., Shoaibi, A., Cummings, L.M., Wirth, D.F. Serial analysis of gene expression (SAGE) in *Plasmodium falciparum*: application of the technique to A-T rich genomes. *Mol Biochem Parasitol.* 2001; 113(1):23-34.
127. Murphy, M.W., Dunton, R.F., Perich, M.J., Rowley, W.A. Attraction of *Anopheles* (Diptera: Culicidae) to volatile chemicals in Western Kenya. *J Med Entomol.* 2001; 38(2):242-4.
128. Nambiar, M.P., Enyedy, E.J., Fisher, C.U., Warke, V.G., Juang, Y.T., Tsokos, G.C. Dexamethasone modulates TCR zeta chain expression and antigen receptor-mediated early signaling events in human T lymphocytes. *Cell Immunol.* 2001; 208(1):62-71.
129. Nambiar, M.P., Enyedy, E.J., Fisher, C.U., Warke, V.G., Tsokos, G.C. High dose of dexamethasone upregulates TCR/CD3-induced calcium response independent of TCR zeta chain expression in human T lymphocytes. *J Cell Biochem.* 2001; 83(3):401-13.
130. Nambiar, M.P., Enyedy, E.J., Warke, V.G., Krishnan, S., Dennis, G., Kammer, G.M., Tsokos, G.C. Polymorphisms/mutations of TCR-zeta-chain promoter and 3' untranslated region and selective expression of TCR zeta-chain with an alternatively spliced 3' untranslated region in patients with systemic lupus erythematosus. *J Autoimmun.* 2001; 16(2):133-42. ADA393265
131. Nambiar, M.P., Enyedy, E.J., Warke, V.G., Krishnan, S., Dennis, G., Wong, H.K., Kammer, G.M., Tsokos, G.C. T cell signaling abnormalities in systemic lupus erythematosus are associated with increased mutations/polymorphisms and splice variants of T cell receptor zeta chain messenger RNA. *Arthritis Rheum.* 2001; 44(6):1336-50. ADA393263
132. Ockenhouse, C.F., Barbosa, A., Blackall, D.P., Murphy, C.I., Kashala, O., Dutta, S., Lanar, D.E., Daugherty, J.R. Sialic acid-dependent binding of baculovirus-expressed recombinant antigens from *Plasmodium falciparum* EBA-175 to Glycophorin A. *Mol Biochem Parasitol.* 2001; 113(1):9-21.
133. O'Neil-Dunne, I., Achur, R.N., Agbor-Enoh, S.T., Valiyaveettil, M., Naik, R.S., Ockenhouse, C.F., Zhou, A., Megnekou, R., Leke, R., Taylor, D.W., Gowda, D.C. Gravidity-dependent production of antibodies that inhibit binding of *Plasmodium falciparum*-infected erythrocytes to placental chondroitin sulfate proteoglycan during

- pregnancy. *Infect Immun.* 2001; 69(12):7487-92.
134. Paris, R. Association of hepatitis C and diabetes mellitus. *Ann Intern Med.* 2001; 135(2):141-2.
 135. Paris, R.M., Bedno, S.A., Krauss, M.R., Keep, L.W., Rubertone, M.V. Weighing in on type 2 diabetes in the military: characteristics of U.S. military personnel at entry who develop type 2 diabetes. *Diabetes Care.* 2001; 24(11):1894-8.
 136. Pattanapanyasat, K., Kotipun, K., Yongvanitchit, K., Hider, R.C., Kyle, D.E., Heppner, D.G., Walsh, D.S. Effects of hydroxypyridinone iron chelators in combination with antimalarial drugs on the in vitro growth of *Plasmodium falciparum*. *Southeast Asian J Trop Med Public Health.* 2001; 32(1):64-9.
 137. Peel, S.A. The ABC transporter genes of *Plasmodium falciparum* and drug resistance. *Drug Resist Updat.* 2001; 4(1):66-74.
 138. Perich, M.J., Sherman, C., Burge, R., Gill, E., Quintana, M., Wirtz, R.A. Evaluation of the efficacy of lambda-cyhalothrin applied as ultra-low volume and thermal fog for emergency control of *Aedes aegypti* in Honduras. *J Am Mosq Control Assoc.* 2001; 17(4):221-4.
 139. Pichyangkul, S., Saengkrai, P., Yongvanitchit, K., Limsomwong, C., Gettayacamin, M., Walsh, D.S., Stewart, V.A., Ballou, W.R., Heppner, D.G. Isolation and characterization of rhesus blood dendritic cells using flow cytometry. *J Immunol Methods.* 2001; 252(1-2):15-23.
 140. Pichyangkul, S., Yongvanitchit, K., Kum-arb, U., Krieg, A.M., Heppner, D.G., Walsh, D.S. Whole blood cultures to assess the immunostimulatory activities of CpG oligodeoxynucleotides. *J Immunol Methods.* 2001; 247(1-2):83-94.
 141. Polonis, V.R., De Souza, M.S., Chanbancherd, P., Chantakulkij, S., Jugsudee, A., Loomis-Price, L.D., Vancott, T.C., Garner, R., Markowitz, L.E., Brown, A.E., Birx, D.L. HIV type 1 subtype E-infected patients with broadened, dual (B/E) V3 loop serology have increased cross-neutralizing antibodies. *AIDS Res Hum Retroviruses.* 2001; 17(1):69-79.
 142. Povoa, M.M., Wirtz, R.A., Lacerda, R.N., Miles, M.A., Warhurst, D. Malaria vectors in the municipality of Serro do Navio, State of Amapa, Amazon region, Brazil. *Mem Inst Oswaldo Cruz.* 2001; 96(2):179-84.
 143. Prior, R.G., Klasson, L., Larsson, P., Williams, K., Lindler, L., Sjostedt, A., Svensson, T., Tamas, I., Wren, B.W., Oyston, P.C., Andersson, S.G., Titball, R.W. Preliminary analysis and annotation of the partial genome sequence of *Francisella tularensis* strain Schu 4. *J Appl Microbiol.* 2001; 91(4):614-20.
 144. Probst, R.J., Wellde, B.T., Lawyer, P.G., Stiteler, J.S., Rowton, E.D. Rhesus monkey model for *Leishmania* major transmitted by *Phlebotomus papatasii* sandfly bites. *Med Vet Entomol.* 2001; 15(1):12-21.
 145. Pusateri, A.E., Holcomb, J.B., Bhattacharyya, S.N., Harris, R.A., Gomez, R.R., MacPhee, M.J., Enriquez, J.I., Delgado, A.V., Charles, N.C., Hess, J.R. Different hypotensive responses to intravenous bovine and human thrombin preparations in swine. *J Trauma.* 2001; 50(1):83-90.
 146. Pusateri, A.E., Holcomb, J.B., Harris, R.A., MacPhee, M.J., Charles, N.C., Beall, L.D.,

- Hess, J.R. Effect of fibrin bandage fibrinogen concentration on blood loss after grade V liver injury in swine. *Mil Med*. 2001; 166(3):217-22.
147. Raimondi, F., Kaper, J.B., Boedeker, E.C., Wolf, M.K., Guandalini, S., Fasano, A. Enteropathogenic Escherichia coli strain RDEC-1 produces a novel electrogenic factor active on rabbit ileum in vitro. *J Pediatr Gastroenterol Nutr*. 2001; 32(2):122-6.
 148. Rajasekariah, G.R., Ryan, J.R., Hillier, S.R., Yi, L.P., Stiteler, J.M., Cui, L., Smithyman, A.M., Martin, S.K. Optimisation of an ELISA for the serodiagnosis of visceral leishmaniasis using in vitro derived promastigote antigens. *J Immunol Methods*. 2001; 252(1-2):105-19.
 149. Rajendran, V., Rong, S.B., Saxena, A., Doctor, B.P., Kozikowski, A.P. Synthesis of a hybrid analog of the acetylcholinesterase inhibitors huperzine A and huperzine B. *Tetrahedron Lett*. 2001; 42(32):5359-61.
 150. Rathore, D., Kumar, S., Lanar, D.E., McCutchan, T.F. Disruption of disulfide linkages of the Plasmodium falciparum circumsporozoite protein: effects on cytotoxic and antibody responses in mice. *Mol Biochem Parasitol*. 2001; 118(1):75-82.
 151. Rehrig, S., Fleming, S.D., Anderson, J., Guthridge, J.M., Rakstang, J., McQueen, C.E., Holers, V.M., Tsokos, G.C., Shea-Donohue, T. Complement inhibitor, complement receptor 1-related gene/protein y-Ig attenuates intestinal damage after the onset of mesenteric ischemia/reperfusion injury in mice. *J Immunol*. 2001; 167(10):5921-7.
 152. Reinis, M., Bruckova, M., Graham, R.R., Vandasova, J., Stankova, M., Carr, J.K. Genetic subtypes of HIV type 1 viruses circulating in the Czech Republic. *AIDS Res Hum Retroviruses*. 2001; 17(13):1305-10.
 153. Renzullo, P.O., Sateren, W.B., Garner, R.P., Milazzo, M.J., Birx, D.L., McNeil, J.G. HIV-1 seroconversion in United States Army active duty personnel, 1985-1999. *AIDS*. 2001; 15(12):1569-74.
 154. Roth, D.E., Taylor, D.N., Gilman, R.H., Meza, R., Katz, U., Bautista, C., Cabrera, L., Velapatino, B., Lebron, C., Razuri, M., Watanabe, J., Monath, T. Posttreatment follow-up of Helicobacter pylori infection using a stool antigen immunoassay. *Clin Diagn Lab Immunol*. 2001; 8(4):718-23.
 155. Rothman, A.L., Kanessa-thasan, N., West, K., Janus, J., Saluzzo, J.F., Ennis, F.A. Induction of T lymphocyte responses to dengue virus by a candidate tetravalent live attenuated dengue virus vaccine. *Vaccine*. 2001; 19(32):4694-9.
 156. Ryan, J.R., Dav, K., Emmerich, E., Garcia, L., Yi, L., Coleman, R.E., Sattabongkot, J., Dunton, R.F., Chan, A.S., Wirtz, R.A. Dipsticks for rapid detection of plasmodium in vectoring anopheles mosquitoes. *Med Vet Entomol*. 2001; 15(2):225-30.
 157. Ryu, H., Kim, Y.S., Grange, P.A., Cassels, F.J. Escherichia coli strain RDEC-1 AF/R1 endogenous fimbrial glycoconjugate receptor molecules in rabbit small intestine. *Infect Immun*. 2001; 69(2):640-9.
 158. Sam-Yellowe, T.Y., Fujioka, H., Aikawa, M., Hall, T., Drazba, J.A. A Plasmodium falciparum protein located in Maurer's clefts underneath knobs and protein localization in association with Rhop-3 and SERA in the intracellular network of infected erythrocytes. *Parasitol Res*. 2001; 87(3):173-85.
 159. Sanchez, J.L., Binn, L.N., Innis, B.L., Reynolds, R.D., Lee, T., Mitchell-Raymundo, F.,

- Craig, S.C., Marquez, J.P., Shepherd, G.A., Polyak, C.S., Conolly, J., Kohlhase, K.F. Epidemic of adenovirus-induced respiratory illness among US military recruits: epidemiologic and immunologic risk factors in healthy, young adults. *J Med Virol.* 2001; 65(4):710-8.
160. Scheiblhofer, S., Chen, D., Weiss, R., Khan, F., Mostbock, S., Fegeding, K., Leitner, W.W., Thalhamer, J., Lyon, J.A. Removal of the circumsporozoite protein (CSP) glycosylphosphatidylinositol signal sequence from a CSP DNA vaccine enhances induction of CSP-specific Th2 type immune responses and improves protection against malaria infection. *Eur J Immunol.* 2001; 31(3):692-8.
161. Schmidt, K.A., Schneider, H., Lindstrom, J.A., Boslego, J.W., Warren, R.A., Van de Verg, L., Deal, C.D., McClain, J.B., Griffiss, J.M. Experimental gonococcal urethritis and reinfection with homologous gonococci in male volunteers. *Sex Transm Dis.* 2001; 28(10):555-64.
162. Schuster, B.G. Demonstrating the validity of natural products as anti-infective drugs. *J Altern Complement Med.* 2001; 7(Suppl 1):S73-82.
163. Schuster, B.G. A new integrated program for natural product development and the value of an ethnomedical approach. *J Altern Complement Med.* 2001; 7(Suppl 1):S61-72.
164. Shanks, G.D., Kain, K.C., Keystone, J.S. Malaria chemoprophylaxis in the age of drug resistance. II. Drugs that may be available in the future. *Clin Infect Dis.* 2001; 33(3):381-5.
165. Shanks, G.D., Oloo, A.J., Aleman, G.M., Ohrt, C., Klotz, F.W., Braitman, D., Horton, J., Brueckner, R. A new primaquine analogue, tafenoquine (WR 238605), for prophylaxis against Plasmodium falciparum malaria. *Clin Infect Dis.* 2001; 33(12):1968-74.
166. Sim, B.K., Narum, D.L., Liang, H., Fuhrmann, S.R., Obaldia, N., 3rd, Gramzinski, R., Aguiar, J., Haynes, J.D., Moch, J.K., Hoffman, S.L. Induction of biologically active antibodies in mice, rabbits, and monkeys by Plasmodium falciparum EBA-175 region II DNA vaccine. *Mol Med.* 2001; 7(4):247-54.
167. Sipos, M.L., Burchnell, V., Galbicka, G. Effects of selected anticholinergics on acoustic startle response in rats. *J Appl Toxicol.* 2001; 21(Suppl 1):S95-101.
168. Snellings, N.J., Popek, M., Lindler, L.E. Complete DNA sequence of *Yersinia enterocolitica* serotype O:8 low-calcium-response plasmid reveals a new virulence plasmid-associated replicon. *Infect Immun.* 2001; 69(7):4627-38.
ADA392532
169. Solomou, E.E., Juang, Y.T., Gourley, M.F., Kammer, G.M., Tsokos, G.C. Molecular basis of deficient IL-2 production in T cells from patients with systemic lupus erythematosus. *J Immunol.* 2001; 166(6):4216-22.
170. Solomou, E.E., Juang, Y.T., Tsokos, G.C. Protein kinase C-theta participates in the activation of cyclic AMP-responsive element-binding protein and its subsequent binding to the -180 site of the IL-2 promoter in normal human T lymphocytes. *J Immunol.* 2001; 166(9):5665-74.
ADA393252
171. Soto, J., Toledo, J., Gutierrez, P., Luzz, M., Llinas, N., Cedeno, N., Dunne, M., Berman,

- J. Plasmodium vivax clinically resistant to chloroquine in Colombia. *Am J Trop Med Hyg.* 2001; 65(2):90-3.
172. Soto, S.I., Lehmann, T., Rowton, E.D., Velez B., I.D., Porter, C.H. Speciation and population structure in the morphospecies *Lutzomyia longipalpis* (Lutz & Neiva) as derived from the mitochondrial ND4 gene. *Mol Phylogen Evol.* 2001; 18(1):84-93.
 173. Srivastava, A.K., Putnak, J.R., Lee, S.H., Hong, S.P., Moon, S.B., Barvir, D.A., Zhao, B., Olson, R.A., Kim, S.O., Yoo, W.D., Towle, A.C., Vaughn, D.W., Innis, B.L., Eckels, K.H. A purified inactivated Japanese encephalitis virus vaccine made in Vero cells. *Vaccine.* 2001; 19(31):4557-65.
 174. Strickman, D., Miller, M.E., Lee, K.W., Kim, H.C., Wirtz, R.A., Perich, M., Novakoski, W.L., Feighner, B.H., Roh, C.S. Successful entomological intervention against *Anopheles sinensis*, limiting transmission of Plasmodium vivax to American soldiers in the Republic of Korea. *Korean J Entomol.* 2001; 31(3):189-95.
 175. Sudiro, T.M., Zivny, J., Ishiko, H., Green, S., Vaughn, D.W., Kalayanarooj, S., Nisalak, A., Norman, J.E., Ennis, F.A., Rothman, A.L. Analysis of plasma viral RNA levels during acute dengue virus infection using quantitative competitor reverse transcription-polymerase chain reaction. *J Med Virol.* 2001; 63(1):29-34.
 176. Suswam, E., Kyle, D., Lang-Unnasch, N. Plasmodium falciparum: the effects of atovaquone resistance on respiration. *Exp Parasitol.* 2001; 98(4):180-7.
 177. Suwanabun, N., Sattabongkot, J., Tsuboi, T., Torii, M., Maneechai, N., Rachapaew, N., Yim-amnuaychok, N., Punkitchar, V., Coleman, R.E. Development of a method for the in vitro production of Plasmodium vivax ookinetes. *J Parasitol.* 2001; 87(4):928-30.
 178. Szebeni, J. Complement activation-related pseudoallergy caused by liposomes, micellar carriers of intravenous drugs, and radiocontrast agents. *Crit Rev Ther Drug Carrier Syst.* 2001; 18(6):567-606.
 179. Szebeni, J., Alving, C.R., Savay, S., Barenholz, Y., Priev, A., Danino, D., Talmon, Y. Formation of complement-activating particles in aqueous solutions of Taxol: possible role in hypersensitivity reactions. *Int Immunopharmacol.* 2001; 1(4):721-35.
 180. Taylor, D.N., Sanchez, J., Cardenas, V., Gilman, R.E., Sadoff, J. Misleading negative findings in a field trial of killed, oral cholera vaccine in Peru - Reply. *J Infect Dis.* 2001; 183(8):1308-9.
 181. Taylor, W.R., Widjaja, H., Richie, T.L., Basri, H., Ohrt, C., Tjitra, Taufik, E., Jones, T.R., Kain, K.C., Hoffman, S.L. Chloroquine/doxycycline combination versus chloroquine alone, and doxycycline alone for the treatment of Plasmodium falciparum and Plasmodium vivax malaria in northeastern Irian Jaya, Indonesia. *Am J Trop Med Hyg.* 2001; 64(5-6):223-8.
 182. Teja-Isavadharm, P., Watt, G., Eamsila, C., Jongsakul, K., Li, Q., Keeratithakul, G., Sirisopana, N., Luesutthiviboon, L., Brewer, T.G., Kyle, D.E. Comparative pharmacokinetics and effect kinetics of orally administered artesunate in healthy volunteers and patients with uncomplicated falciparum malaria. *Am J Trop Med Hyg.* 2001; 65(6):717-21.
 183. Temenak, J.J., Anderson, B.E., McDonald, G.A. Molecular cloning, sequence and characterization of cjsT, a putative protease from *Rickettsia rickettsii*. *Microb Pathog.*

2001; 30(4):221-8.

184. Thohan, S., Zurich, M.C., Chung, H., Weiner, M., Kane, A.S., Rosen, G.M. Tissue slices revisited: evaluation and development of a short-term incubation for integrated drug metabolism. *Drug Metab Dispos*. 2001; 29(10):1337-42.
185. Tovanabutra, S., Polonis, V., De Souza, M., Trichavaroj, R., Chanbancherd, P., Kim, B., Sanders-Buell, E., Nitayaphan, S., Brown, A., Robb, M.R., Birx, D.L., McCutchan, F.E., Carr, J.K. First CRF01_AE/B recombinant of HIV-1 is found in Thailand. *AIDS*. 2001; 15(8):1063-5.
186. Troyer, J.M., Hanley, K.A., Whitehead, S.S., Strickman, D., Karron, R.A., Durbin, A.P., Murphy, B.R. A live attenuated recombinant dengue-4 virus vaccine candidate with restricted capacity for dissemination in mosquitoes and lack of transmission from vaccinees to mosquitoes. *Am J Trop Med Hyg*. 2001; 65(5):414-9.
187. Tsokos, G.C. Systemic lupus erythematosus. A disease with a complex pathogenesis. *Lancet*. 2001; 358(Suppl):S65.
188. Uthaipibull, C., Aufiero, B., Syed, S.E., Hansen, B., Patino, J.A., Angov, E., Ling, I.T., Fegeding, K., Morgan, W.D., Ockenhouse, C., Birdsall, B., Feeney, J., Lyon, J.A., Holder, A.A. Inhibitory and blocking monoclonal antibody epitopes on merozoite surface protein 1 of the malaria parasite Plasmodium falciparum. *J Mol Biol*. 2001; 307(5):1381-94.
189. Valenzuela, J.G., Belkaid, Y., Garfield, M.K., Mendez, S., Kamhawi, S., Rowton, E.D., Sacks, D.L., Ribeiro, J.M. Toward a defined anti-Leishmania vaccine targeting vector antigens: characterization of a protective salivary protein. *J Exp Med*. 2001; 194(3):331-42.
190. Valenzuela, J.G., Belkaid, Y., Rowton, E., Ribeiro, J.M. The salivary apyrase of the blood-sucking sand fly Phlebotomus papatasi belongs to the novel Cimex family of apyrases. *J Exp Biol*. 2001; 204(Pt 2):229-37.
191. Valeri, C.R., Ragno, G., Pivacek, L.E., Srey, R., Hess, J.R., Lippert, L.E., Mettille, F., Fahie, R., O'Neill, E.M., Szymanski, I.O. A multicenter study of in vitro and in vivo values in human RBCs frozen with 40-percent (wt/vol) glycerol and stored after deglycerolization for 15 days at 4 degrees C in AS-3: assessment of RBC processing in the ACP 215. *Transfusion*. 2001; 41(7):933-9.
192. Valiyaveettil, M., Achur, R.N., Alkhailil, A., Ockenhouse, C.F., Gowda, D.C. Plasmodium falciparum Cytoadherence to Human Placenta: Evaluation of Hyaluronic Acid and Chondroitin 4-Sulfate for Binding of Infected Erythrocytes. *Exp Parasitol*. 2001; 99(2):57-65.
193. Venkatesan, M.M., Goldberg, M.B., Rose, D.J., Grotbeck, E.J., Burland, V., Blattner, F.R. Complete DNA sequence and analysis of the large virulence plasmid of *Shigella flexneri*. *Infect Immun*. 2001; 69(5):3271-85.
194. Vereshchagina, L.A., Tolnay, M., Tsokos, G.C. Multiple transcription factors regulate the inducible expression of the human complement receptor 2 promoter. *J Immunol*. 2001; 166(10):6156-63.
ADA393249
195. Walsh, D.S., Jongsakul, K., Watt, G. Hand rash in trichinosis. *Clin Exp Dermatol*. 2001; 26(3):272-3.

196. Walsh, D.S., Myint, K.S., Kantipong, P., Jongsakul, K., Watt, G. Orientia tsutsugamushi in peripheral white blood cells of patients with acute scrub typhus. *Am J Trop Med Hyg.* 2001; 65(6):899-901.
197. Walsh, D.S., Prieto-Go, D., Abalos, R.M., Tuur-Saunders, S.M., Villahermosa, L.G., Jabien, Z., Walsh, G.P., Fajardo, T.T. Malignant T-cell lymphoma mimicking lepromatous leprosy. *Clin Exp Dermatol.* 2001; 26(2):173-5.
198. Walz, S.E., Baqar, S., Beecham, H.J., Echeverria, P., Lebron, C., McCarthy, M., Kuschner, R., Bowling, S., Bourgeois, A.L., Scott, D.A. Pre-exposure anti-Campylobacter jejuni immunoglobulin a levels associated with reduced risk of Campylobacter diarrhea in adults traveling to Thailand. *Am J Trop Med Hyg.* 2001; 65(5):652-6.
199. Warke, V.G., Krishnan, S., Nambiar, M.P., Farber, D.L., Tsokos, G.C., Wong, H.K. Identification of differentially expressed genes in human memory (CD45RO+) CD4+ T lymphocytes. *Immunol Invest.* 2001; 30(2):87-101.
ADA393338
200. Watson, R.P., Blanchard, T.W., Mense, M.G., Gasper, P.W. Histopathology of experimental plague in cats. *Vet Pathol.* 2001; 38(2):165-72.
201. Whitehead, T.L., Jones, L.M., Hicks, R.P. Effects of the incorporation of CHAPS into SDS micelles on neuropeptide-micelle binding: Separation of the role of electrostatic interactions from hydrophobic interactions. *Biopolymers.* 2001; 58(7):593-605.
202. Wilkinson, A.C., Thomas, M.L., 3rd., Morse, B.C. Evaluation of a transdermal fentanyl system in yucatan miniature pigs. *Contemp Top Lab Anim Sci.* 2001; 40(3):12-6.
203. Williams, A.J., Lu, X.M., Slusher, B., Tortella, F.C. Electroencephalogram analysis and neuroprotective profile of the N-acetylated-alpha-linked acidic dipeptidase inhibitor, GPI5232, in normal and brain-injured rats. *J Pharmacol Exp Ther.* 2001; 299(1):48-57.
204. Wortmann, G., Sweeney, C., Houng, H.S., Aronson, N., Stiteler, J., Jackson, J., Ockenhouse, C. Rapid diagnosis of leishmaniasis by fluorogenic polymerase chain reaction. *Am J Trop Med Hyg.* 2001; 65(5):583-7.
205. Writer, J.V. Conquerors of yellow fever. *ASM News.* 2001; 67(5):241.
206. Xiao, Z., Waters, N.C., Woodard, C.L., Li, Z., Li, P.K. Design and synthesis of Pfmrk inhibitors as potential antimalarial agents. *Bioorg Med Chem Lett.* 2001; 11(21):2875-8.
207. Yu, J., Oragui, E.E., Stephens, A., Kroll, J.S., Venkatesan, M.M. Inactivation of DsbA alters the behaviour of *Shigella flexneri* towards murine and human-derived macrophage-like cells. *FEMS Microbiol Lett.* 2001; 204(1):81-8.
208. Zeng, X., Winter, D.B., Kasmer, C., Kraemer, K.H., Lehmann, A.R., Gearhart, P.J. DNA polymerase eta is an A-T mutator in somatic hypermutation of immunoglobulin variable genes. *Nat Immunol.* 2001; 2(6):537-41.
209. Zhao, A., Bossone, C., Pineiro-Carrero, V., Shea-Donohue, T. Colitis-induced alterations in adrenergic control of circular smooth muscle in vitro in rats. *J Pharmacol Exp Ther.* 2001; 299(2):768-74.

210. Zhong, K.J., Salas, C.J., Shafer, R., Gubanov, A., Gasser, R.A., Magill, A.J., Forney, J.R., Kain, K.C. Comparison of isocode stix and fta gene guard collection matrices as whole-blood storage and processing devices for diagnosis of malaria by PCR. *J Clin Microbiol.* 2001; 39(3):1195-6.

WRAIR 2001 ABSTRACTS

211. Achur, R.N., Valiyaveettil, M., Ockenhouse, C.F., Gowda, D.C. The low sulfated chondroitin in human placenta contain motifs with optimal levels of sulfate groups for the efficient binding of *Plasmodium falciparum*-infected erythrocytes. *Am J Trop Med Hyg* 2001; 65(3 Suppl):367.
212. Ammann, J.R., Cancanon, F., Paulus, B.F., Thompson, G.A. Chiral HPLC analysis of vasoconstrictor degradation in local anesthetic injections. *Abstr Pap Am Chem Soc* 2001; 221(1-2):ANYL 30.
213. Anderson, S.M., Bauman, R.A., Feaster, S.R., Saviolakis, G.A., Garcia, G.E., Kant, G.J. Rat brain cortical acetylcholinesterase is not inhibited by pyridostigmine bromide after three days of continuous moderate stress in an active avoidance foot shock paradigm. *Abstr Soc Neurosci* 2001; 27(1):462.
214. Asher, L.V.S., Mammen, M.P., Lyons, A.G., Thomas, S., Sun, W., Chung, R.C.Y., Eckels, K.H., Vaughn, D.W. Platelet phagocytosis and neutrophil apoptosis might account for thrombocytopenia and neutropenia in dengue patients. *Am J Trop Med Hyg* 2001; 65(3 Suppl):388.
215. Atkins, J.L., Bentley, T.B., Saviolakis, G., Tabaku, L.S., Nelson, L., Tai, Y.H. Plasma norepinephrine (NE) increases during oxygen inhalation after hemorrhage. *FASEB Journal* 2001; 15(4):A105.
216. Ayyagari, V., Januszkevicz, A., Nath, J. Effects of acute exposure to nitrogen dioxide on human bronchial epithelial cells: Involvement of nitric oxide and IL-8. *J Leukoc Biol Suppl* 2001(2001):97.
217. Ayyagari, V., Januszkevicz, A., Nath, J. Pro-inflammatory responses of normal human bronchial epithelial cells upon acute high-dose exposure to nitrogen dioxide: An in vitro study. *Free Radic Biol Med* 2001; 31(10):S117.
218. Bakaltcheva, I. Progress in lyophilized human plasma. *ATACCC* 2001 2001:32.
219. Bauman, R. PARP is a therapeutic target following traumatic brain injury. *ATACCC* 2001 2001:34-5.
220. Belenky, G., Williams, J.D., Redmond, D.P., Reichardt, R.M., Russo, M.B., Sing, H.C., Thomas, M.L., Thorne, D.R., Wesensten, N.J., Balkin, T.J. Individual differences in performance degradation and subsequent recovery in volunteers allowed 3 hours sleep time over 7 days. *Sleep* 2001; 24(Abstract Supplement):A29-A30.
221. Bentley, T.B., Allgood, G., Van Albert, S., Lee, J.M., Atkins, J.L. Acoustic detection of a pneumothorax. *ATACCC* 2001 2001:40.
222. Bentley, T.B., Lee, J.M., Oliver, J.D., Pearce, F.J., Atkins, J.L. Programmed feedback control of experimental hemorrhagic shock. *FASEB Journal* 2001; 15(5):A1125.
223. Bentley, T.B., Mongan, P.D., Fontana, J.L., Pearce, F.J. Oxygen debt and lactate during controlled arterial hemorrhagic shock. *FASEB Journal* 2001; 15(5):A1126.
224. Berti, R., Williams, A.J., Yao, C., Lewis, A.A., Dave, J.R., Tortella, F.C. Expression of the genes involved in the inflammatory cascade associated with ischemia/reperfusion brain injury and its potential consequences on neurodegenerative processes. *Abstr Soc*

- Neurosci 2001; 27(1):876.
225. Bhattacharjee, A.K., Skanchy, D.J., Jennings, B., Hudson, T.H., Brendle, J.J., Werbovetz, K.A. A QSAR study of antileishmanial activity on several synthetic indolo[2,1-B] quinazolin-6,12-dione derivatives using quantum chemical, cyclic voltammetry and 3D-QSAR catalyst methods. Am J Trop Med Hyg 2001; 65(3 Suppl):310.
226. Bhattacharjee, A.K., Skanchy, D.J., Pitzer, K.K., Novak, M.J., Luckett, C., Scovill, J.P. Functional correlation of molecular electronic properties of synthetic indolo[2,1-B] quinazoline-6,12-dione analogues with antimarial efficacy using a combination of quantum chemical, cyclic voltammetry and 3D-QSAR catalyst methods. Am J Trop Med Hyg 2001; 65(3 Suppl):342.
227. Bodhidatta, L., Vithayasai, N., Eimpokalarp, B., Pitarangsi, C., Serichantalegs, O., Isenbarger, D.W., Pang, L.W. Bacterial enteric pathogens in children with acute dysentery in Thailand: Increasing importance of quinolone-resistant Campylobacter. Abstr Gen Meet Am Soc Microbiol 2001; 101:191.
228. Bodo, M. Potential applications of rheoencephalography to cerebral blood flow. ATACCC 2001 2001:54-5.
229. Boyle, T., De Santis, M., Neill, R., Das, R., Mendis, C., Jett, M. Host responses to shock-inducing toxins provides opportunities for identification of new therapeutic regimens. Abstr Gen Meet Am Soc Microbiol 2001; 101:313.
230. Byrd, W., Cassels, F. Serum and mucosal immune responses measured against CS6 and CFA/I colonization factors in an enterotoxigenic Escherichia coli murine intranasal model. Abstr Gen Meet Am Soc Microbiol 2001; 101:295.
231. Charoenvit, Y., Majam, V., Richie, T.L., Kumar, S., Aguiar, J., Sacci, J.B., Lanar, D.E., Narum, D., Druilhe, P., Freilich, D., Sedegah, M., Wang, R., Parker, S.E., Hobart, P., Norman, J.A., Abot, E., Ganeshan, H., Carucci, D., Hoffman, S.L. Priming of antibody responses to Plasmodium falciparum sporozoite challenge by immunization of malaria-naïve adult volunteers with MuStDO5, a five gene P. falciparum pre-erythrocytic stage DNA vaccine. Am J Trop Med Hyg 2001; 65(3 Suppl):256.
232. Cowan, D.N., Erickson, R.L., Watts, B., Ducker, D. The epidemiologic investigation and research experience of army preventive medicine physicians (APMP). Am J Epidemiol 2001; 153(11 Supplement):S227.
233. Cui, L., Rzomp, K.A., Fan, Q., Martin, S.K., Williams, J. Differential display analysis of gene expression during sexual development of the malaria parasite, Plasmodium falciparum. Am J Trop Med Hyg 2001; 65(3 Suppl):225.
234. Cummings, C., Hartl, M., Daftary, S., Carmo, L., Linardi, V.R., Jett, M. Use of molecular techniques for identification and characterization of *S. aureus* strains from asymptomatic carriers responsible for food poisoning outbreaks. Abstr Gen Meet Am Soc Microbiol 2001; 101:557-8.
235. Cunningham, D., Sun, W., Eckels, K.H., Putnak, R., Vaughn, D.W., Wasserman, S., Edelman, R. Phase I/II trial of three tetravalent live-attenuated dengue vaccines. Am J Trop Med Hyg 2001; 65(3 Suppl):387.
236. Dave, J.R., Stoica, B., Williams, A.J., Hartings, J., Yao, C., Berti, R., Faden, A., Tortella, F.C. Studies on neuronal apoptosis following middle cerebral artery occlusion (MCAo)-mediated brain injury in rats. Abstr Soc Neurosci 2001; 27(2):2055.

237. Dave, J.R., Yao, C., Williams, A.J., Berti, R., Tortella, F.C. Neuronal sodium channels and brain injury: molecular expression and neuroprotection studies. ATACCC 2001 2001:35.
238. Del Valle, P.L., Skanchy, D.J., Morgan, A., Melendez, V. Phase I - Phase II metabolism of tryptanthrins using human liver microsomes and hepatocytes. Am J Trop Med Hyg 2001; 65(3 Suppl):220.
239. Dow, G.S., Kopydlowski, K.M., Opawale, O., Vahey, M., Reynolds, S., Hudson, T.H. Analysis of differential gene expression patterns induced by arteether toxicosis in rat neuronal cells. Am J Trop Med Hyg 2001; 65(3 Suppl):136.
240. Dunton, R.F., Ernst, K. Malaria transmission in western Kenya: the importance of *Anopheles funestus* Giles. Am J Trop Med Hyg 2001; 65(3 Suppl):308-09.
241. Dutta, S., Nair, L.P.V., Ware, L.A., Barbosa, A., Moch, K., Haynes, J.D., Vassell, M.R., Lanar, D.E. Purification and characterization of a refolded *Plasmodium falciparum* apical membrane antigen-1 ectodomain produced under cGMP conditions for clinical use. Am J Trop Med Hyg 2001; 65(3 Suppl):231.
242. Endy, T.P., Nisalak, A., Chunsuttiwat, S., Libraty, D.H., Green, S., Rothman, A.L., Vaughn, D.W., Ennis, F.A. Early clinical presentation of mild to severe dengue illness in a prospective dengue study of primary school children in Kamphaeng Phet, Thailand. Am J Trop Med Hyg 2001; 65(3 Suppl):438-39.
243. Fegeding, K.V., Komisar, J.L., Tseng, J. Prevention of lethal toxic shock and chemokine gene expression in the lung with anti-TNF-alpha and anti-IFN-gamma in mice intoxicated with staphylococcal enterotoxin B (SEB). FASEB Journal 2001; 15(5):A1048.
244. Fernandez-Prada, C.M., Zelazowska, E.B., Nikolich, M., Hadfield, T.L., Roop, M.R., Robertson, G.T., Hoover, D.L. Use of green fluorescent protein (GFP) to study the interaction of smooth and rough *Brucella melitensis* strains with human mononuclear phagocytes. Abstr Gen Meet Am Soc Microbiol 2001; 101:116-7.
245. Fitzsimmons, L.D., Bossone, C., Anova, L., Ohrt, C. Reticulocytosis as a clinical marker of toxicology with oral artelinic acid. Am J Trop Med Hyg 2001; 65(3 Suppl):220.
246. Frances, S.P., Cooper, R.D., Gupta, R.K., Debboun, M. Efficacy of a new self-supporting low-profile bednet for personal protection against mosquitoes in Papua New Guinea. Am J Trop Med Hyg 2001; 65(3 Suppl):307.
247. Friedman, J.F., Kurtis, J.D., Mtalib, R., Opollo, M., Duffy, P.E. TNF- α is associated with decreased nutritional status in an area of intense perennial malaria transmission. Am J Trop Med Hyg 2001; 65(3 Suppl):338-39.
248. Fuhrmann, S.R., Merchant, S., Wingard, J., Haynes, J.D., Moch, J.K., Sim, B.K.L., Narum, D.L. Recombinant expression and characterization of the putative ligand-binding domain of the *Plasmodium falciparum* erythrocyte binding protein-2 (EBP2). Am J Trop Med Hyg 2001; 65(3 Suppl):365.
249. Garcia, G., Benedict, M., Skanchy, D., Dowler, M., Wirtz, R., Rosenberg, R. Xanthurenic acid levels in *Anopheles gambiae* mutants deficient in ommochrome biosynthesis. Am J Trop Med Hyg 2001; 65(3 Suppl):301-2.
250. Gasser, R.A., Jr., Arevalo, I., Miller, R.S., Magill, A.J., Forney, J.R., Sirichaisinthop, J., Wongsrichanalai, C. Preliminary evaluationi of the NOW ICT malaria P.f./P.v. rapid

- diagnostic device for the detection of *Plasmodium falciparum* and *Plasmodium vivax*. Am J Trop Med Hyg 2001; 65(3 Suppl):320-21.
251. Genovese, R.F., Nguyen, H.A., Mog, S.R. Effects of repeated arteether injections using different administration intervals. Abstr Soc Neurosci 2001; 27(2):2549.
 252. Gerena, L., Kyle, D.E. Evaluation of artemisinin derivatives and methylene blue in combination versus *Plasmodium falciparum* in vitro. Am J Trop Med Hyg 2001; 65(3 Suppl):432.
 253. Geyer, J.A., Terrell, J.C., Prigge, S.T., Waters, N.C. *Plasmodium falciparum* protein kinase 6 as a potential drug target for antimalarial chemotherapy. Am J Trop Med Hyg 2001; 65(3 Suppl):223-24.
 254. Girma, M., Houng, H.S., Edelman, R., Cunningham, D., Bailey, S., Barvir, D., Bisbing, J., Vaughn, D.W., Sun, W. Delayed plaque amplification and Taqman RT-PCR for detecting vaccine viremia in human volunteers given live-attenuated tetravalent dengue vaccine. Am J Trop Med Hyg 2001; 65(3 Suppl):395-96.
 255. Grange, P.A., Cassels, F.J. Using mammalian erythrocyte membrane glycoprotein extracts to characterize the carbohydrate binding specificity of enterotoxigenic *Escherichia coli* CS6 colonization factor. Abstr Gen Meet Am Soc Microbiol 2001; 101:68-9.
 256. Hammamieh, R., Thomas, R., Das, R., Jett, M. Manipulation of breast and prostate cancer cells using antisense oligodeoxynucleotides complementary to fatty acid binding protein mRNAs. Proc Annu Meet Am Assoc Cancer Res 2001; 42:728.
 257. Hammamieh, R., Thomas, R., Das, R., Jett, M. Anti-sense oligodeoxynucleotides complementary to selected fatty acid binding proteins alter cellular functions in breast and prostate cancer cells. FASEB Journal 2001; 15(4):A600.
 258. Happi, C.T., Thomas, S., Gbotosho, G.O., Falade, C.O., Ndikum, N.N., Ogundahunsi, O.A.T., Gerena, L., Hudson, T., Sowunmi, A., Kyle, D.E., Milhous, W., Oduola, A.M.J., Wirth, D.F. Lack of association between the K76T mutation in pf crt gene of *Plasmodium falciparum* and in vivo chloroquine response in Ibadan, Nigeria. Am J Trop Med Hyg 2001; 65(3 Suppl):356-57.
 259. Harrington, L.C., Fleisher, A., Jones, J.W., Kitthawee, S., Edman, J.D., Coleman, R.E., Scott, T.W. Human DNA fingerprinting analysis reveal blood feeding preferences of the dengue vector, *Aedes aegypti*. Am J Trop Med Hyg 2001; 65(3 Suppl):416.
 260. Hartell, M.G., Del Valle, P.L., Melendez, V. In vitro metabolism of tryptanthrins: a novel class of prophylactic antimalarial drug candidates. Am J Trop Med Hyg 2001; 65(3 Suppl):219-20.
 261. Hartings, J.A., Williams, A.J., Tortella, F.C. EEG characterization of non-convulsive seizures following focal cerebral ischemia in the rat. Abstr Soc Neurosci 2001; 27(1):1463.
 262. Hillier, C.J., Vassell, M.R., Miller, V.L., Kumar, S., Lanar, D.E. Expression of mammalian and bacterial codon optimized LSA-1 gene constructs. Am J Trop Med Hyg 2001; 65(3 Suppl):232-33.
 263. Hmel, P.J., Kennedy, A., Quiles, J.G., Gorogias, M., Seelbaugh, J., Van Ness, K., Reid, T.J. Physical and thermal properties of blood storage bags: implications for shipping frozen products on dry ice. ATACCC 2001 2001:31-2.

264. Holland, C.A., Williams, J., Heppner, D.G., Tornieporth, N., Vigneron, L., Delchambre, M., Cohen, J., Kester, K.E. Humoral immune responses in recipients of RTS,S/AS02 when given in two short course schedules. Am J Trop Med Hyg 2001; 65(3 Suppl):232.
265. Ingram, M.F., Fleming, E.R., Fitzsimmons, L.D., Prasanna, V. Cloning, expression, and assay development for *Plasmodium falciparum* shikimate pathway genes. Am J Trop Med Hyg 2001; 65(3 Suppl):216.
266. Isenbarger, D.W., Bodhidatta, L., Srijan, A., Pitarangsi, C., Cam, P.D. Comparison of antimicrobial resistance in *Shigella*, *Salmonella*, *Campylobacter* and enteroinvasive *Escherichia coli* isolates from Vietnam and Thailand. Abstr Gen Meet Am Soc Microbiol 2001; 101:16.
267. Isenbarger, D.W., Hien, B.T., Ha, H.T., Bodhidatta, L., Pang, L.W., Cam, P.D. Prospective study of diarrheal disease in a cohort of Vietnamese children along the Red River. Abstr Gen Meet Am Soc Microbiol 2001; 101:272.
268. Ishida, H., Ray, P. RhoB turnover by the 26 proteasome via ubiquitination is a regulator of the cytoskeletal determinant of neuroexocytosis: A target of botulinum toxin type A. FASEB Journal 2001; 15(5):A896.
269. Ives, J., Jonas, W., Hartings, J., Olufade, A., Williams, A., Eagles, D., Tortella, F. Neuroprotection in experimental rat brain injury with ultra high dilution glutamate but not potassium chloride. Abstr Soc Neurosci 2001; 27(1):557.
270. Jacobus, D.P., Ager, A.L., Bliss, R.A., Canfield, C.J., Jensen, N.P., Kotecka, B.M., Milhous, W.K., Rieckmann, K.H., Sibley, C.H., Terpinski, J. Analogs of the biguanide PS-15, a prodrug of the DHFR-inhibiting triazine antimalarial WR-99210. Am J Trop Med Hyg 2001; 65(3 Suppl):135.
271. Jett, M., Yourick, D. Science laboratory summer programs at a research institute: College students perform as laboratory "teachers" and role models for inner-city junior high students. Abstr Gen Meet Am Soc Microbiol 2001; 101:723.
272. Jett, M., Yourick, D. Design of science laboratory summer programs at a research institute provides "near-peer" role models for inner-city junior high students. FASEB Journal 2001; 15(4):A542.
273. Jiang, S., Zeng, Q., Dorin, D., Prigge, S.T., Gerena, L., Kyle, D.E. The atypical *Plasmodium falciparum* mitogen-activated protein kinase (PfMAP-2) functions like a stress-activated protein kinase (SAPK). Am J Trop Med Hyg 2001; 65(3 Suppl):225.
274. Kamimori, G.H., Karyakar, C., Otterstetter, R., Cox, D., Eddington, N. Relative bioavailability and absorption rate of caffeine in chewing gum and capsule form in normal males. FASEB Journal 2001; 15(5):A916.
275. Karle, J.M. Using computational chemistry to predict oral absorption of antimalarial agents. Am J Trop Med Hyg 2001; 65(3 Suppl):212.
276. Kennedy, A., Quiles, J.G., Hmel, P.J., Seelbaugh, J., Reid, T.J. Understanding membrane phase transitions with NMR. ATACCC 2001 2001:31.
277. Kester, K.E., Cummings, J.F., Ockenhouse, C.F., Hall, B.T., Gordon, D.M., Krzych, U., Holland, C.A., Tornieporth, N., Vigneron, L., Delchambre, M., Cohen, J., Heppner, D.G. Safety, immunogenicity, and preliminary efficacy of two short course schedules of GlaxoSmithKline's candidate malaria vaccine RTS,S / AS02. Am J Trop Med Hyg 2001;

- 65(3 Suppl):255.
278. Khuntirat, B., Wongkalasin, K., Coleman, R.E., Endy, T.P. A rapid molecular technique for the differentiation of live-attenuated vaccine and wild-type strains of dengue virus. Am J Trop Med Hyg 2001; 65(3 Suppl):386.
279. Kiang, J. Nitric oxide synthase inhibitors regulate stress genes in cells exposed to hypoxia. ATACCC 2001 2001:17-8.
280. Koenig, M. The combination of dihydrolipoate and nitrones provides enhanced in vitro neuroprotection against oxidative injury. ATACCC 2001 2001:34.
281. Koenig, M.L., Meyerhoff, J.L. The combination of dihydrolipoate and nitrones provides enhanced in vitro neuroprotection against oxidative injury. Abstr Soc Neurosci 2001; 27(2):2020.
282. Kopydlowski, K.M., Simms, L., Wei, L., Sellers, P., Kyle, D.E., Martin, R.K., Peel, S.A. Optimization of DNA microarrays for the analysis of gene expression in Plasmodium falciparum. Am J Trop Med Hyg 2001; 65(3 Suppl):221.
283. Korman, A.K., Dunton, R.F., Kipmutai, R.L. Confirmation of the presence of malaria vectors in an urban environment of suspected malaria transmission, Nairobi, Kenya. Am J Trop Med Hyg 2001; 65(3 Suppl):306.
284. Kumar, A., Warke, V.G., Krishnan, S., Fisher, C.U., Tsokos, G.C., Nambiar, M.P. Overexpression of Fc epsilon RI gamma chain increases TCR/CD3-mediated signaling in T lymphocytes. Mol Biol Cell 2001; 12(Supplement):202a.
285. Kurtis, J.D., Holland, C., Grimnes, J.M., Lanar, D.E., Mtalib, R., Kester, K., Duffy, P.E. IgM anti-LSA-1 antibodies predict resistance to infection with Plasmodium falciparum in a holoendemic area of western Kenya. Am J Trop Med Hyg 2001; 65(3 Suppl):139.
286. Kuschner, R.A., Lyons, A., Hernandez, L.A., Putnak, J.R., Eckels, K.H., Vaughn, D.W., Kanesa-thasan, N. Phase 1B study of the WRAIR purified inactivated vaccine for Japanese encephalitis (JE-PIV). Am J Trop Med Hyg 2001; 65(3 Suppl):396.
287. Kyle, D.E., Gerena, L., Ellis, W.Y., Jacobus, D.P., Canfield, C.J., Milhous, W.K. Lead optimization of third generation antifolate antimalarials. Am J Trop Med Hyg 2001; 65(3 Suppl):220-21.
288. Lee, J. Development of warrior medic therapeutic and non-invasive physiological monitoring system (Datapak). ATACCC 2001 2001:45.
289. Lee, J.K., Yourick, D.L., Bauman, R.A., Reeber, S.L., Long, J.B. Hemorrhagic hypotension (HH) acutely exacerbates traumatic brain injury-induced blood-brain barrier (BBB) disruption. Abstr Soc Neurosci 2001; 27(1):571.
290. Lee, K.W., Lee, J.W., Jang, S.I., Park, H., Thanoosingha, N., Miller, R.S., Wongsrichanalai, C. Enzyme-linked immunosorbent assay for malaria screening (HB anti-malaria kit) in specimens from Thailand and Korea. Am J Trop Med Hyg 2001; 65(3 Suppl):317.
291. Lee, P.J., Mahle, K.C., Mog, S., Anova, L.D., Valbuena, A., Petras, J.M., Ohrt, C. Comparative toxicology of two oral formulations of artesunac acid in the Sprague-Dawley rat. Am J Trop Med Hyg 2001; 65(3 Suppl):219.
292. Li, Q., Mog, S., Si, Y., Kyle, D., Milhous, W. Efficacy and neurotoxicity of arteether related

- with toxicokinetics following multiple intramuscular injection with sesame oil and cremophore vehicles in mice and rats. FASEB Journal 2001; 15(4):A549.
293. Li, Q., Mog, S.R., Si, Y.Z., Milhous, W.K. Neurotoxicity of arteether related to its exposure times and exposure levels in animals. Am J Trop Med Hyg 2001; 65(3 Suppl):137.
294. Li, Q.G., Peggins, J.O. Pharmacokinetics and tolerant dose range studies of AL and as following daily intramuscular dosing for 7 days in rats. Am J Trop Med Hyg 2001; 65(3 Suppl):227-28.
295. Long, J.B., Bauman, R.A., Koenig, M.L., Mog, S.R., Atkins, J., Bentley, T.B., Pearce, F.J., Yourick, D.L. Confronting the far-forward resuscitative needs of the head-injured, hemorrhaged combat casualty. ATACCC 2001 2001:36-7.
296. Long, J.B., Meyerhoff, J.L., Koenig, M.L. Alpha-phenyl-n-tert-butylnitrone (PBN) protects against neuronal injury in vitro and dynorphin A (DYN)-induced ischemic spinal cord injury (SCI) in vivo. Abstr Soc Neurosci 2001; 27(2):2020.
297. Lumley, L.A., Saviolakis, G.S., Robison, C.L., Meyerhoff, J.L. Repeated prolonged social stress with food and water deprivation induces spatial memory impairment in mice. Abstr Soc Neurosci 2001; 27(1):1405.
298. Lund, B.J., Zwick, H., Lund, D.J., Stuck, B.E., Ness, J.W. Effect of source intensity on the variability of eye movements during deliberate fixation. IOVS 2001; 42(4):S619.
299. Luxemburger, C., Simpson, J.A., White, N.J., Chongsuphajaisiddhi, T., Heppner, D.G., Nosten, F. The interaction between Plasmodium falciparum and P. vivax in Karen children in Thailand. Am J Trop Med Hyg 2001; 65(3 Suppl):403.
300. Lyons, A.G., Mammen, M.P., McKinney, D.A., Sun, W., Kanessa-thasan, N., Vaughn, D.W., Thomas, S.J., Eckels, K.H., Putnak, J.R., Chung, R.C.Y. Clinical evaluation of dengue viruses as challenge strains in susceptible volunteers. Am J Trop Med Hyg 2001; 65(3 Suppl):396.
301. Macdonald, V.W., Bakaltcheva, I. Preservation of hemoglobin function in lyophilized human red cells. ATACCC 2001 2001:53.
302. Macdonald, V.W., Reid, T.J., Long, J.B., Bauman, R.A. Evaluating systemic treatment with recombinant Factor VIIa in a small animal model of traumatic brain injury. ATACCC 2001 2001:32-3.
303. Mahle, K.C., Lee, P.J., Mog, S., Anova, L.D., Valbuena, A., Petras, J., Ohrt, C. Comparative toxicology of oral artelanic acid vs. artesunic acid in the Sprague-Dawley rat. Am J Trop Med Hyg 2001; 65(3 Suppl):218.
304. Mascola, J.R., Stiegler, G., VanCott, T.C., Katinger, H., Carpenter, C.B., Hanson, C.E., Beary, H., Hayes, D., Frankel, S.S., Birx, D.L., Lewis, M.G. Protection of macaques against vaginal transmission of a pathogenic HIV-1/SIV chimeric virus by passive infusion of neutralizing antibodies. AIDS 2001; 15(Supplement 1):S18-S9.
305. Matyas, G.R., Rao, M., Wassef, N.M., Alving, C.R. Antibodies to squalene. FASEB Journal 2001; 15(5):A1192.
306. Matyas, G.R., Wassef, N.M., Pittman, P.R., Alving, C.R. Detection of antibodies to squalene in human serum. Abstr Gen Meet Am Soc Microbiol 2001; 101:233.

307. McFaul, S. Effects of supernatants from stored erythrocytes on the expression of inflammation markers on platelets, neutrophils, and monocytes. ATACCC 2001 2001:51.
308. McGrath, S.M., Davis, S.A., Manganello, L.M., Kester, K.E., Voss, G., Cohen, J., Heppner, D.G., Stewart, V.A. Use of the ELISpot assay in rhesus macaques for optimization of the RTS,S malaria vaccine candidate with new adjuvant formulations. Am J Trop Med Hyg 2001; 65(3 Suppl):242-43.
309. Mehlotta, R.K., Fujioka, H., Jacobs-Lorena, V., McNamara, D.T., Bockarie, M.J., Kyle, D.E., Fidock, D.A., Zimmerman, P.A. Evolution of chloroquine resistance in Papua New Guinean Plasmodium falciparum. Am J Trop Med Hyg 2001; 65(3 Suppl):268-69.
310. Mendis, C., Das, R., Sanchez, C., Royalee, A., Yang, D., Jett, M. Identification of genes altered in response to Staphylococcal enterotoxin B (SEB) in human lymphoid cells using DNA microarray technology. FASEB Journal 2001; 15(5):A896.
311. Miller, R.S., McDaniel, P., Library, D.H., Murray, C.K., Gray, M.R., Thanarat, P., Yingyuan, K., Wongsrichanalai, C. Leptospirosis on the Thai-Myanmar border. Am J Trop Med Hyg 2001; 65(3 Suppl):287.
312. Myint, K.S.A., Endy, T.P., Shrestha, M.P., Vaughn, D.W., Innis, B.L., Hussem, K., Scott, R.M. Seroprevalence of hepatitis B virus infection in Nepalese pregnant women. Am J Trop Med Hyg 2001; 65(3 Suppl):246.
313. Nair, L.P.V., Ware, L.A., Moch, K., Barbosa, A., Dutta, S., Haynes, J.D., Lanar, D.E. Expression, purification and immunological analysis of Plasmodium falciparum AMA-1 subdomains in bacteria. Am J Trop Med Hyg 2001; 65(3 Suppl):259.
314. Nambiar, M.P., Fisher, C.U., Warke, V.G., Krishnan, S., Kumar, A., Gilliland, W., Oglesby, R., Tsokos, G.C. Increased lipid-raft association of the residual TCR zeta chain in T lymphocytes of patients with systemic lupus erythematosus. Mol Biol Cell 2001; 12(Supplement):334a-5a.
315. Narum, D.L., Fuhrmann, S.R., Wingard, J., Chen, T., Liang, H., Haynes, J.D., Moch, J.K., Sim, B.K.L. Pilot-scale production of recombinant EBA-175 region II in *Pichia pastoris*. Am J Trop Med Hyg 2001; 65(3 Suppl):231.
316. Narum, D.L., Liang, H., Fuhrmann, S.R., Wingard, J., Merchant, S., Haynes, J.D., Moch, J.K., Jiang, S., Sim, B.K.L. Does N-glycosylation by *Pichia pastoris* or mammalian cells alter the immunogenicity of EBA-175 RII. Am J Trop Med Hyg 2001; 65(3 Suppl):325.
317. Narum, D.L., Merchant, S., Fuhrmann, S.R., Wingard, J., Haynes, J.D., Moch, J.K., Kumar, S., Liang, H., Sim, B.K.L. Expression and characterization of Plasmodium falciparum non-N-glycosylated MSP1₄₂ and AMA-1 in the methylotrophic yeast *Pichia pastoris*. Am J Trop Med Hyg 2001; 65(3 Suppl):259.
318. Noedl, H., Faiz, M.A., Yunus, E.B., Chuanak, C., Miller, R.S., Pang, L.W., Wongsrichanalai, C. Drug resistant malaria in Bangladesh, an in vitro assessment. Am J Trop Med Hyg 2001; 65(3 Suppl):351-52.
319. Noedl, H., Wimonwatrawatee, T., Laoboonchai, A., Yingyuan, K., Sirichaisinthop, J., Wernsdorfer, W.H., Wongsrichanalai, C. Comparative assessment of different antimalarial in vitro drug susceptibility assay systems. Am J Trop Med Hyg 2001; 65(3 Suppl):352.
320. Oaks, E.V., Turbyfill, K.R. Protective immunity against *Shigella flexneri* 2a and *S. sonnei*

- using a bivalent *Shigella* invasin complex (Invaplex) vaccine. Abstr Gen Meet Am Soc Microbiol 2001; 101:311.
321. Ogonda, L.A., Waitumbi, J.N., Stoute, J.A., Orago, A.S.S. The expression of LFA-1, Mac-1 and ICAM-1 on leukocytes from patients with uncomplicated and complicated *Plasmodium falciparum* malaria. Am J Trop Med Hyg 2001; 65(3 Suppl):362-63.
 322. Ohas, E.A., Orago, A.S.S., Adams, J.H., Stoute, A.J., Lanar, D.E. Erythrocyte binding is blocked by immune sera to EBA-175. Am J Trop Med Hyg 2001; 65(3 Suppl):234-35.
 323. Opiyo, M.O., Uzma, A.F., Wangui, J.M., Liyala, P.O., Mwangi, J.K., Ongut, B., Rosenberg, R. Evidence of *Plasmodium falciparum* malaria drug resistance in the urban population of Kenya. Am J Trop Med Hyg 2001; 65(3 Suppl):350.
 324. Pearce, F.J. Application of micro-impulse radar to physiologic monitoring in the battlefield. ATACCC 2001 2001:39.
 325. Phasuk, R., Sethabutr, O., Limsomwong, C., Laoboonchai, A., Mason, C.J. Development of fluorogenic probe to detect human malaria (*Plasmodium falciparum* and *Plasmodium vivax*) in blood samples. Am J Trop Med Hyg 2001; 65(3 Suppl):317.
 326. Pichyangkul, S., Libraty, D.H., Yongvanitchit, K., Kum-Arb, U., Ayariyakhajorn, C., Walsh, D.S., Endy, T.P. The interaction of dengue virus with human peripheral blood dendritic cell precursors. Am J Trop Med Hyg 2001; 65(3 Suppl):382-83.
 327. Pillai, D.R., Hijar, G., Montoya, Y., Marquino, W., Ruebush, T.K., II, Wongsrichanalai, C., Kain, K.C. Predicting mefloquine and mefloquine-artesunate combination treatment outcome for *Plasmodium falciparum* malaria in Peru using pfmdr1 as a molecular marker. Am J Trop Med Hyg 2001; 65(3 Suppl):349.
 328. Ramamoorthy, P., Ludwig, G., Henchal, E., Jett, M., Das, R. Identification of changes in gene expression patterns induced by Venezuelan equine encephalitis using gene array technology. FASEB Journal 2001; 15(4):A309.
 329. Rao, M., Alving, C.R., Rothwell, S.W. Depletion of cellular cholesterol interferes with intracellular trafficking of liposome-encapsulated antigens. FASEB Journal 2001; 15(4):A677.
 330. Ray, P., Sheikh, F.G., Rosenthal, D.S., Ray, R. A specific serine protease induced by sulfur mustard (SM) in cultured normal human epidermal keratinocytes (NHEK) is involved in cell growth and differentiation. FASEB Journal 2001; 15(5):A902.
 331. Reichardt, R.M., Wesensten, N.J., Kautz, M.A., Belenk, G., Balkin, T.J. Modafinil and caffeine improve alertness during sleep deprivation. Sleep 2001; 24(Abstract Supplement):A244.
 332. Reid, T.J., Fuller, E.T., Janmey, P.A., Sawyer, E.S., Fudge, J.M., Mochmer, K.L., Peat, R.A., Seelbaugh, J.P. Efficacy of hemostatic dressings with salmon thrombin and fibrinogen in a rat hip penetrating injury model. Blood 2001; 98(11 Part 2):76b.
 333. Reid, T.J., Hmel, P.J., Kennedy, A.M., Quiles, J.G., Gorogias, M., Seelbaugh, J.P. Physical and thermal properties of blood storage bags: Implications for shipping frozen products on dry ice. Blood 2001; 98(11 Part 2):109b.
 334. Reid, T.J., Peat, R.A., Holtz, B.L., Morrissette, C.R., Ketchum, L.H. Trauma-associated coagulopathy. Blood 2001; 98(11 Part 2):109b.

335. Riddle, M.S., Jackson, J.L., Sanders, J.W., Blazes, D.L. Exchange transfusion as an adjunct in severe Plasmodium falciparum malaria: a meta-analysis. *Am J Trop Med Hyg* 2001; 65(3 Suppl):148.
336. Riel, M.A., Kyle, D.E., Milhous, W.K. Antimalarial activity of a naturally occurring proton pump inhibitor, scopadulcic acid A. *Am J Trop Med Hyg* 2001; 65(3 Suppl):341-42.
337. Rothwell, S.W., Fudge, J.M., Reid, T.J., III, Krishnamurti, C. Effects of propyl gallate and epsilon-amino caproic acid additives on fibrin bandage performance in a swine arterial bleeding model. *Blood* 2001; 98(11 Part 2):76b-7b.
338. Saxena, A., Moorad, D.R., Lockridge, O., Millard, C.B., Broomfield, C.A., Doctor, B.P., Garcia, G.E. Site-specific analysis of glycan structures on plasma-derived human (Hu) and horse (Eq) butyrylcholinesterases (BChE). *FASEB Journal* 2001; 15(5):A870.
339. Schantz, P.M., Jackson, J., Steurer, F., Rooney, J., Breitschwerdt, E., Barr, S.C. Evidence for direct dog to dog transmission of visceral leishmaniasis in the United States. *Am J Trop Med Hyg* 2001; 65(3 Suppl):421-22.
340. Scherer, J.M., Mammen, M.P., Putnak, J.R., Sun, W., Vaughn, D.W., Kanessa-thasan, N. Immune activation in experimental dengue virus infection is similar to natural disease. *Am J Trop Med Hyg* 2001; 65(3 Suppl):395-96.
341. Schuschereba, S.T., Bowman, P.D., Ray, J.A., Edsall, P., Dinh, H.K., Stuck, B.E. The genetic response of cultured human retinal pigment epithelial cells to prolonged blue laser light exposure. *IOVS* 2001; 42(4):S754.
342. Seriwatana, J., Withers, M.R., Binn, L.N., Coward, C.A., Kuschner, R.A., Vaughn, D.W., Innis, B.L., Yoon, K.J., Platt, K.B. Development and evaluation of a quantitative enzyme immunoassay to detect hepatitis E virus infections in swine. *Am J Trop Med Hyg* 2001; 65(3 Suppl):246-47.
343. Si, Y.Z., Li, Q.G., Mog, S.R., Milhous, W.K. Neurotoxic mechanism study of arteether and artelanic acid in rats with brain microdialysis. *Am J Trop Med Hyg* 2001; 65(3 Suppl):221-22.
344. Siangla, J.O., Waitumbi, J.N., Stoute, J.A. Cytokines as possible markers for severe malarial anemia. *Am J Trop Med Hyg* 2001; 65(3 Suppl):241.
345. Silvers, M.J., Purnomo, Tracy, L.A., Woodard, C., Barcus, M., Ohrt, C. Assessing and improving accuracy of malaria slide reading for clinical trials. *Am J Trop Med Hyg* 2001; 65(3 Suppl):222.
346. Siriyanonda, D., Rasameesoraj, M., Newton, P., Ruangveerayuth, R., Chierakul, W., Silamut, K., White, N.J., Teja-Isavadharm, P. A comparison of artesunate antimalarial activity in human plasma frozen in different storage conditions. *Am J Trop Med Hyg* 2001; 65(3 Suppl):343.
347. Solomon, T., Dung, N.M., Kneen, R., Thao, L.T.T., Gainsborough, M., Nisalak, A., Day, N.P.J., Kirkham, F.J., Vaughn, D.W., Smith, S., White, N.J. Seizures and raised intracranial pressure in Vietnamese patients with Japanese encephalitis. *Am J Trop Med Hyg* 2001; 65(3 Suppl):410.
348. Stephens, C.E., Werbovetz, K., Outlaw, A., Brendle, J., de Luca-Fradley, K., Croft, S., Boykin, D.W. Synthesis and antileishmanial activity of novel dicationic "reversed

- diamidines" and guanidines in the 2,5-diaryl furan series. Am J Trop Med Hyg 2001; 65(3 Suppl):419-20.
349. Stewart, V.A., McGrath, S.M., Davis, S.A., Manganello, L.M., Kester, K.E., Cohen, J., Voss, G., Heppner, D.G. Comparison of three novel adjuvants and an accelerated administration schedule in rhesus macaques for optimization of the RTS,S anti-falciparum malaria vaccine candidate. Am J Trop Med Hyg 2001; 65(3 Suppl):255.
350. Szebeni, J. Anaphylatoxin-induced cardiac shock and hemodynamic changes in pigs: beneficial effects of complement and adenosine receptor inhibitors. ATACCC 2001 2001:63.
351. Szebeni, J., Baranyi, L., Barenholz, Y., Talmon, Y., Danino, D., Savay, S., Laverman, P., Metselaar, J.M., Storm, G., Basta, M., Bunger, R., Alving, C.R. Role of complement in pseudoallergic reactions to liposomal and micellar formulations of intravenous drugs. Mol Immunol 2001; 38(2-3):123-4.
352. Tachibana, M., Tsuboi, T., Kaneko, O., Khuntirat, B., Torii, M. Sequence polymorphism in three distinct ookinete surface proteins in two types of *Plasmodium ovale* defined by SSU rRNA sequence. Am J Trop Med Hyg 2001; 65(3 Suppl):224.
353. Tolnay, M. Regulation of complement protein expression. ATACCC 2001 2001:62.
354. Tortella, F. Neuroprotection in the MRMC: an overview of STEP N. ATACCC 2001 2001:25-6.
355. Tortella, F.C., Williams, A., Hale, S., Elliott, P. Neuroprotection and ischemic brain injury in rats: Improved therapeutic window obtained with the proteasome inhibitor PS-519. Abstr Soc Neurosci 2001; 27(2):2299.
356. Tracy, L.A., Odour, S., Silvers, M., Ohrt, C., Martin, L. Testing the interpretation and comprehension of informed consent forms designed for use in clinical trials in developing countries. Am J Trop Med Hyg 2001; 65(3 Suppl):135.
357. Tsokos, C.G., Kumar, A., Warke, V.G., Fisher, C.U., Gilliland, W., Oglesby, R., Tsokos, G.C., Nambiar, M.P. Decreased stability of a novel TCR zeta chain mRNA with alternatively spliced 3' untranslated region selectively expressed in T lymphocytes of patients with systemic lupus erythematosus. Mol Biol Cell 2001; 12(Supplement):229a.
358. Tsokos, G. Complement activation's role in local and remote organ injury. ATACCC 2001 2001:61.
359. Tsuboi, T., Sattabongkot, J., Hisaeda, H., Stowers, A., Torii, M., Saul, A. Malaria transmission-blocking vaccines: current progress of vaccine development against *Plasmodium vivax*. Am J Trop Med Hyg 2001; 65(3 Suppl):230.
360. Ubol, S., Charnsilpa, W., Takhampunya, R., Endy, T.P. Nitric oxide, the element of an innate immune system, suppresses dengue virus RNA synthesis. Am J Trop Med Hyg 2001; 65(3 Suppl):284-85.
361. Van Albert, S., Bruney, P., Lee, J., Pearce, F. Development of an acoustic ballistic wound detection circuit. ATACCC 2001 2001:40.
362. Vaughn, D.W., Houng, H.S., Libraty, D.H., Endy, T.P., Green, S., Nisalak, A., Kalayanarooj, S., Suntayakorn, S., Nimmannitya, S., Chen, R., Sun, W., Kanessa-thasan, N., Ennis, F.A., Rothman, A.L. Relationship of plasma dengue viral RNA levels measured by

- fluorogenic RT-PCR to infectious virus titers and disease severity. *Am J Trop Med Hyg* 2001; 65(3 Suppl):284.
363. Ved, H., Dave, J., Garcia, G., Doctor, B. Effect of huperzine-A on beta-amyloid-induced toxicity in primary neurons. *FASEB Journal* 2001; 15(5):A1160.
364. Waitumbi, J.N., Stoute, J.A. Age-related changes in RBC complement regulatory proteins and the susceptibility to severe malaria. *Am J Trop Med Hyg* 2001; 65(3 Suppl):399.
365. Walsh, G.P., Myint, K.S., Kantipong, P., Jongsakul, K., Watt, G. Orientia tsutsugamushi in peripheral white blood cells of patients with acute scrub typhus. *Am J Trop Med Hyg* 2001; 65(3 Suppl):294.
366. Weintraub, P.J., Bossone, C., Ohr, C., Milhous, W.K. Acanthocytosis associated with artemisinin derivatives. *Am J Trop Med Hyg* 2001; 65(3 Suppl):221.
367. Wesensten, N.J., Kautz, M.A., Belenky, G., Balkin, T.J. Modafinil and caffeine reverse sleep deprivation/fatigue effects on performance. *Sleep* 2001; 24(Abstract Supplement):A244-A5.
368. Williams, A.J., Tortella, F.C., Yao, C., Yu, Z.Y., Hale, S.L., Berti, R., Dave, J.R. Expression of sodium channel genes following ischemic injury: An in situ hybridization study. *Abstr Soc Neurosci* 2001; 27(1):118.
369. Wong, H., Warke, V., Sandeep, K., Enyedy, E., Nambiar, M., Farber, D., Tsokos, G. Differential regulation of CTLA-4 in human memory and naive CD4+ T cells. *J Invest Dermatol* 2001; 117(2):455.
370. Wongsrichanalai, C., Miller, R.S., Thien, V.H., Mathavarat, C., Buathong, N., Dung, N.T., McDaniel, P. Field performance of a malaria rapid test that detects pLDH enzyme (OptiMAL) in a new cassette format. *Am J Trop Med Hyg* 2001; 65(3 Suppl):319-20.
371. Woodard, C.L., Li, Z., Prigge, S.T., Li, P.K., Geyer, J.A., Waters, N.C. Identifying unique inhibitors of Plasmodium falciparum cyclin-dependent protein kinases (CDKs). *Am J Trop Med Hyg* 2001; 65(3 Suppl):219.
372. Wootton, J., Feng, X., Ferdig, M., Cooper, R., Mu, J., Magill, A., Su, X. Global genome-wide haplotypes, linkage disequilibrium, and drug selective sweeps in the human malaria parasite Plasmodium falciparum. *Am J Trop Med Hyg* 2001; 65(3 Suppl):144.
373. Wortmann, G., Sweeney, C., Aronson, N., Ockenhouse, C. Development of molecular probes for the rapid identification and speciation of leishmania using fluorogenic PCR. *Am J Trop Med Hyg* 2001; 65(3 Suppl):420.
374. Yao, C., Yu, Z.Y., Tortella, F.C., Dave, J.R., Hallenbeck, J.M., Kant, G.J., McCarron, R.M. Elevated AANAT expression in the brain of hibernating ground squirrels detected by real-time quantitative RT/PCR. *Abstr Soc Neurosci* 2001; 27(1):479.
375. Yourick, D.L., Koenig, M.L., Wozniak, K., Slusher, B.S., Meyerhoff, J.L., Long, J.B. Inhibition of N-acetylated alpha-linked acidic dipeptidase (NAALADase) by GPI-5232 and 4,4'-phosphonicobis(butane-1,3-dicarboxylic acid) (PBDA) protects fetal rat spinal cord and forebrain cultures from NMDA toxicity. *Abstr Soc Neurosci* 2001; 27(1):557.
376. Zhang, P., Ng, P., Mark, M.J., Zeichner, S.J., Chiang, P.K. Detection of death genes by microarray in the apoptosis of Jurkat cells induced by an alkylating agent 2-chloroethyl sulfide. *Toxicological Sciences* 2001; 60:1338.

377. Zhao, W., Komisar, J.L., Tseng, J. Lethal toxic shock in actinomycin D-primed mice to the superantigen toxic shock syndrome toxin-1 (TSST-1). FASEB Journal 2001; 15(5):A1049.
378. Zivna, I., Green, S., Vaughn, D.W., Kalayyanaraoj, S., Stephens, H.A.F., Chandanayyingyong, D., Nisalak, A., Ennis, F.A., Rothman, A.L. The magnitude of T cell response to an HLA-B7-restricted epitope on the dengue NS3. Am J Trop Med Hyg 2001; 65(3 Suppl):283-84.
379. Zwick, H., Elliott, W.R., Stuck, B.E. In vivo photoreceptor survival for rapid vs slow laser induced thermal damage. IOVS 2001; 42(4):S430.

WRAIR 2001 BOOK CHAPTERS

380. Bodo, M., Pearce, F.J., Thuroczy, G., Braisted, J., Montgomery, L.D., Kubinyi, G., Forcino, D., Baranyi, L., Heilig, J., Nagy, I., Morrissette, C., Lee, J. Electrical impedance validations: in vitro and in vivo studies. In: S. Grimnes; O.G. Martinsen; H. Bruvoll, editors. Proceedings of the XI International Conference on Electrical Bio-Impedance, June 17-21, 2001, Oslo, Norway. [Oslo, Norway]: [University of Oslo]; 2001; p. 325-28.
381. Duffy, P.E. Immunity to malaria during pregnancy: different host, different parasite. In: P. Duffy; M. Fried, editors. Malaria in Pregnancy: Deadly Parasite, Susceptible Host. London: Taylor & Francis Ltd; 2001; p. 71-126.
382. Duffy, P.E., Desowitz, R.S. Pregnancy malaria throughout history: dangerous labors. In: P. Duffy; M. Fried, editors. Malaria in Pregnancy: Deadly Parasite, Susceptible Host. London: Taylor & Francis Ltd; 2001; p. 1-25.
383. Fried, M. Parasite adhesion and its role in placental malaria: hideout for the parasite. In: P. Duffy; M. Fried, editors. Malaria in Pregnancy: Deadly Parasite, Susceptible Host. London: Taylor & Francis Ltd; 2001; p. 159-88.
384. Prigge, S.T., Chiang, P.K. S-adenosylhomocysteine hydrolase. In: R. Carmel; D.W. Jacobson, editors. Homocysteine in Health and Disease. Cambridge, U.K.: Cambridge University Pr.; 2001; p. 79-91.

WRAIR 2001 TECHNICAL REPORTS

385. Adler, A.B., Castro, C.A. U.S. soldiers and peacekeeping deployments. 2001. 10 p.
ADA392485
386. Adler, A.B., Dolan, C.A., Bienvenu, R.V., Castro, C.A. U.S. soldier peacekeeping experiences and wellbeing after returning from deployment to Kosovo. 2001. 24 p.
387. Adler, A.B., Wright, K.M., Huffman, A.H., Thomas, J.L., Castro, C.A. Deployment cycle effects on the psychological screening of soldiers. 2001. 9 p.
388. Castro, C.A., Adler, A.B. The impact of operation tempo: issues in measurement. 2001. 7 p.
389. Castro, C.A., Bienvenu, R.V., Huffman, A.H., Adler, A.B. Soldier dimensions and operational readiness in U.S. Army forces deployed to Kosovo. 2001. 22, [32] p.
390. Castro, C.A., Huffman, A.H., Dolan, C.A., Bienvenu, R.V., Adler, A.B. Working in the zone: maintaining optimal readiness in U.S. soldiers. 2001. 16 p.
391. Huffman, A.H., Adler, A.B., Calhoun, M.E., Castro, C.A. Measuring sleep and work demands in U.S. Army senior leaders. 2001. 11 p.
ADA388343
392. Huffman, A.H., Adler, A.B., Castro, C.A., Dolan, C.A. Retention and the US Army officer in Europe. 2001. 6 p.
393. Krauss, M.R., Niebuhr, D., Trofimovich, L., Powers, T., Li, Y. AMSARA: Accession Medical Standards Analysis and Research Activity 2000 annual report. 2001. 90 p.
ADA397004
394. Martinez, J., Huffman, A.H., Adler, A.B., Castro, C.A. Assessing psychological readiness in the U.S. soldiers following NATO operations. 2001. 34 p.
ADA388344
395. Puavilai, G., Nitayaphan, S. Studies into militarily relevant infectious diseases of interest to both United States and Royal Thai governments. 2001. 44 p.
ADA387876
396. Thomas, J.L., Ritzer, D.R. Leader information moderating strains associated with work unpredictability in the U.S. Army. 2001. 30 p.
ADA388339

WRAIR 2001 PATENTS

United States Patent no. **6,185,861**, granted February 13, 2001: Lethal mosquito breeding container.

Inventors:

Perich; Michael J. (Frederick, MD)
Zeichner; Brian C. (Forest Hill, MD)

United States Patent no. **6,190,859**, granted February 20, 2001: Method and kit for detection of dengue virus.

Inventors:

Putnak; J. Robert (Silver Spring, MD)
Eckels; Kenneth (Rockville, MD)
Dubois; Doria R. (Wheaton, MD)
Cassidy; Kevin (Toronto, CA)

United States Patent no. **6,214,548**, granted April 10, 2001: Diagnostic methods for Cyclospora.

Inventors:

Relman; David A. (Palo Alto, CA);
Echeverria; Peter (APO AP 96546)

United States Patent no. **6,217,911**, granted April 17, 2001: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.

Inventors:

Vaughn; William M. (Silver Spring, MD)
Van Hamont; John E. (Ft. Meade, MD)
Setterstrom; Jean A. (Alpharetta, GA)

United States Patent no. **6,241,686**, granted June 5, 2001: System and method for predicting human cognitive performance using data from an actigraph.

Inventors:

Balkin; Thomas J. (Ellicott City, MD)
Belenky; Gregory L. (Kensington, MD)
Hall; Stanley W. (Silver Spring, MD)
Kamimori; Gary H. (Laurel, MD)
Redmond; Daniel P. (Silver Spring, MD)
Sing; Helen C. (Takoma Park, MD)
Thomas; Maria L. (Columbia, MD)
Thorne; David R. (Washington, DC)
Wesensten; Nancy Jo (Silver Spring, MD)

United States Patent no. **6,245,892**, granted June 12, 2001: Invaplex from gram negative bacteria, method of purification and methods of use.

Inventors:

Oaks; Edwin V. (Gambrills, MD)
Turbyfill; Kevin Ross (Waldorf, MD)

United States Patent no. **6,248,574**, granted June 19, 2001: Polypeptides selectively reactive with antibodies against human immunodeficiency virus and vaccines comprising the

polypeptides.
Inventors:
Shaffermann; Avigdor (69 Ben Gurion Street, Ness-Ziona 70450, IL)

United States Patent no. **6,253,098**, granted June 26, 2001: Disposable pulse oximeter assembly and protective cover therefor.

Inventors:
Walker; Steven C. (Olmos Park, TX)
Shepherd; John M. (Fort San Antonio, TX)

United States Patent no. **6,254,873**, granted July 3, 2001: Inactivated dengue virus vaccine.

Inventors:
Putnak; J. Robert (Silver Spring, MD)
Eckels; Kenneth (Rockville, MD)
Dubois; Doris R. (Wheaton, MD)

United States Patent no. **6,268,383**, granted July 31, 2001: Substituted aromatic compounds for treatment of antibiotic-resistant infections.

Inventors:
Ellis; William Y. (Laurel, MD)

United States Patent no. **6,274,598**, granted August 14, 2001: Methods for treating antibiotic-resistant infections.

Inventors:
Ellis; William Y. (Laurel, MD)
Kunin; Calvin M. (Columbus, OH)

United States Patent no. **6,277,379**, granted August 21, 2001: Use of purified invaplex from gram negative bacteria as a vaccine.

Inventors:
Oaks; Edwin V. (Gambrills, MD)
Turbayfill; Kevin Ross (Waldorf, MD)
Hartman; Antoinette Berrong (Silver Spring, MD)

United States Patent no. **6,284,739**, granted September 4, 2001: Antileishmanial composition for topical application.

Inventors:
Grogl; Max (3404 TanTerra Cir., Brookeville, MD 20853)
Fleckenstein; Lawrence (1809 Flanigan Ct., Iowa City, IA 52246)
McGreevy; Patrick (11526 Colt Terr., Silver Spring, MD 20902)
Schuster; Brian (1620 Crowell Rd., Vienna, VA 22182)

United States Patent no. **6,284,772**, granted September 4, 2001: Indolo[2,1-B] quinazole-6,12-dione antimalarial compounds and methods of treating malaria therewith.

Inventors:
Pitzer; Kevin K. (Pasadena, MD)
Scovill; John P. (Walkersville, MD)
Kyle; Dennis E. (Gaithersburg, MD)
Gerena; Lucia (Silver Spring, MD)

United States Patent no. **6,309,650**, granted October 30, 2001: Attenuated Japanese encephalitis virus adapted to Vero cell and a Japanese encephalitis vaccine.

Inventors:

Kim; Hyun Su (Seoul, KR)
Yoo; Wang Don (Seoul, KR)
Kim; Soo Ok (Seoul, KR)
Lee; Sung Hee (Kyungkwido, KR)
Moon; Sang Bum (Kyungkwido, KR)
Hong; Sun Pyo (Kyungkwido, KR)
Shin; Yong Cheol (Seoul, KR)
Chung; Yong Ju (Seoul, KR)
Eckels; Kenneth H. (Washington, DC)
Innis; Bruce (Washington, DC)
Puniak; Joseph R. (Washington, DC)
Binn; Leonard N. (Washington, DC)
Srivastava; Ashok K. (Washington, DC)
Dubois; Doria R. (Washington, DC)

United States Patent no. **6,309,669**, granted October 30, 2001: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.

Inventors:

Setterstrom; Jean A. (Alpharetta, GA)
Van Hamont; John E. (Fort Meade, MD)
Reid; Robert H. (McComas, CT)
Jacob; Elliot (Silver Spring, MD)
Jeyanthi; Ramasubbu (Columbia, MD)
Boedeker; Edgar C. (Chevy Chase, MD)
McQueen; Charles E. (Olney, MD)
Jarboe; Daniel L. (Silver Spring, MD)
Cassels; Frederick (Ellicott City, MD)
Brown; William (Denver, CO)
Thies; Curt (Ballwin, MO)
Tice; Thomas R. (Birmington, AL)
Roberts; F. Donald (Dover, MA)
Friden; Phil (Beford, MA)

United States Patent no. **6,310,046**, granted October 30, 2001: Sequestrin of Plasmodium falciparum.

Inventors:

Duffy; Patrick E. (Nairobi, KE)
Ockenhouse; Christian F. (Burtonsville, MD)

United States Patent no. **6,316,197**, granted November 13, 2001: Method of diagnosing of exposure to toxic agents by measuring distinct pattern in the levels of expression of specific genes.

Inventors:

Das; Rina (Rockville, MD)
Jett; Marti (Washington, DC)
Mendis; Chanaka (Falls Church, VA)

AUTHOR INDEX

- Abalos,R. M.** 8, 197
Abernethy,D. R. 1
Abot,E. 231
Abramowsky,C. 60
Abugo,O. O. 2
Achur,R. N. 133, 192, 211
Adams,J. H. 322
Adler,A. B. 385, 386, 387, 388, 389, 390, 391, 392, 394
Agbor-Enoh,S. T. 133
Ager,A. L. 270
Aguiar,J. 90, 166, 231
Aguiar,J. C. 3
Aikawa,M. 107, 158
Ajariyahajorn,C. 111
Aleman,G. M. 165
Alkhalil,A. 192
Allen,R. C. 4
Allgood,G. 221
Alloueche,A. 19
Alving,C. R. 64, 179, 305, 306, 329, 351
Amarakone,A. S. 13
Ammann,J. R. 212
Anderson,B. E. 183
Anderson,D. L. 13
Anderson,J. 151
Anderson,S. M. 93, 213
Andersson,S. G. 143

- Andrade,R.** 26
Andreadis,T. G. 54
Angov,E. 188
Anova,L. 245
Anova,L. D. 291, 303
Antoun,M. D. 5
Arevalo,I. 250
Armstrong,K. L. 66
Aronson,N. 204, 373
Asher,L. V. S. 214
Ashton,L. J. 83
Atkins,J. 295
Atkins,J. L. 215, 221, 222
Aufiero,B. 188
Avila,M. 26
Avis,I. 6
Ayariyakhajorn,C. 326
Ayyagari,V. 216, 217
Bacskai,E. 18
Bailey,S. 254
Bakaltcheva,I. 7, 218, 301
Balagon,M. V. 8
Balagopalakrishna,C. 2
Balkin,T. J. 220, 331, 367
Ballou,W. R. 19, 55, 95, 139
Bao,W. L. 9
Baqar,S. 198
Baranyi,L. 351, 380

- Barbey,J. T.** 1
- Barbosa,A.** 46, 132, 241, 313
- Barcus,M.** 345
- Barenholz,Y.** 179, 351
- Barnett,S. W.** 10
- Barr,S. C.** 339
- Barrett,A. J.** 21
- Barrett,S. F.** 11
- Barrick,S.** 30
- Barvir,D.** 254
- Barvir,D. A.** 173
- Basnyat,B.** 12
- Basri,H.** 181
- Basta,M.** 351
- Bauman,R.** 219
- Bauman,R. A.** 93, 213, 289, 295, 302
- Bautista,C.** 154
- Bautista,C. T.** 55
- Beall,L. D.** 146
- Beary,H.** 304
- Bedno,S. A.** 135
- Beecham,H. J.** 198
- Belenky,G.** 220, 331, 367
- Belkaid,Y.** 189, 190
- Ben Mamoun,C.** 13
- Benedict,M.** 249
- Benfield,T. L.** 83
- Bentley,T. B.** 215, 221, 222, 223, 295

- Berko,K.** 18
- Berman,J.** 41, 171
- Berman,J. D.** 14
- Berry,R. L.** 54
- Berti,R.** 224, 236, 237, 368
- Bhattacharjee,A. K.** 15, 16, 33, 42, 124, 225, 226
- Bhattacharyya,S. N.** 145
- Bhoopat,L.** 30
- Bianco,C.** 118
- Bienvenu,R. V.** 386, 389, 390
- Binn,L. N.** 69, 159, 342
- Birdsall,B.** 188
- Birx,D.** 116
- Birx,D. C.** 96
- Birx,D. L.** 22, 26, 27, 39, 78, 141, 153, 185, 304
- Birx,D. R.** 87
- Bisbing,J.** 254
- Blackall,D. P.** 132
- Blanchard,J.** 10
- Blanchard,T. W.** 17, 200
- Blattner,F. R.** 193
- Blazes,D. L.** 335
- Bliss,R. A.** 270
- Bockarie,M. J.** 123, 309
- Bodhidatta,D.** 100
- Bodhidatta,L.** 84, 227, 266, 267
- Bodo,M.** 18, 228, 380
- Boedeker,E. C.** 147

- Bojang,K. A.** 19
Bolan,C. D. 20, 21
Bollback,J. P. 32
Boslego,J. W. 161
Bossone,C. 209, 245, 366
Bourgeois,A. L. 198
Bowling,S. 198
Bowman,P. D. 341
Boykin,D. W. 348
Boyle,S. M. 53
Boyle,T. 229
Braisted,J. 380
Braitman,D. 165
Breitschwerdt,E. 339
Brendle,J. 348
Brendle,J. J. 225
Brewer,T. 41
Brewer,T. G. 47, 182
Briscoe,C. 102
Brookmeyer,R. 61
Broomfield,C. A. 338
Brown,A. 185
Brown,A. E. 22, 39, 141
Brown,J. 4
Brownstein,B. H. 13
Bruckova,M. 152
Brueckner,R. 165
Bruney,P. 361

- Bryant,N. J.** 17
Buapunth,P. 39
Buathong,N. 370
Buchbinder,S. P. 83
Buckner,C. 10
Bullians,M. 54
Bunger,R. 351
Burchnell,V. 167
Burge,J. R. 66, 67
Burge,R. 138
Burgess,T. 116
Burke,D. S. 27
Burland,V. 193
Byrd,W. 230
Cabrera,L. 154
Calhoun,M. E. 391
Calkins,M. D. 23
Callahan,J. D. 24
Cam,P. D. 84, 266, 267
Campbell,S. 54
Cancanon,F. 212
Canfield,C. J. 270, 287
Cannon,C. E. 25
Cannon,T. F. 85
Cardenas,V. 180
Carlton,J. M. 13
Carmo,L. 234
Carpenter,C. B. 304

- Carr,J. K.** 26, 27, 152, 185
Carucci,D. 231
Carvalho,S. F. 41
Cassels,F. 230
Cassels,F. J. 157, 255
Castel,D. 119
Castro,C. A. 385, 386, 387, 388, 389, 390, 391, 392, 394
Cecco,S. A. 20
Cedeno,N. 171
Cellona,R. V. 8
Chakrabarti,D. 13
Chan,A. S. 156
Chan,P. C. 28
Chanbancherd,P. 141, 185
Chandanayyingyong,D. 378
Chang,G. 121
Chanock,R. M. 45
Chantakulkij,S. 141
Charles,B. G. 47
Charles,N. C. 145, 146
Charnsilpa,W. 360
Charoenvit,Y. 3, 231
Chen,D. 160
Chen,R. 362
Chen,R. C. 81
Chen,T. 315
Chen,W. K. 114
Cherpelis,S. 10

- Chiang,P. K.** 376, 384
- Chien,P. C. Jr.** 77
- Chierakul,W.** 346
- Childs,R. W.** 21
- Choi,Y. H.** 6
- Chongsuphajaisiddhi,T.** 299
- Christ-Schmidt,H.** 92
- Chuanak,C.** 318
- Chuenchitra,C.** 39
- Chulay,J. D.** 14
- Chung,H.** 184
- Chung,R. C. Y.** 214, 300
- Chung,Y. J.** 80
- Chunsuttiwat,S.** 242
- Clapp,C. H.** 29
- Clements,D. E.** 36
- Cohen,J.** 95, 264, 277, 308, 349
- Cohen,J. D.** 19
- Cohn,M. A.** 30
- Coleman,R. E.** 31, 40, 156, 177, 259, 278
- Conn,J. E.** 32
- Conolly,J.** 159
- Conway,D. J.** 19
- Cook,B. P.** 126
- Cooper,R.** 372
- Cooper,R. D.** 246
- Cortese,J. F.** 86
- Coutinho,R. A.** 83

- Cowan,D. N.** 232
Coward,C. A. 342
Cox,D. 274
Cox,J. H. 96
Craig,S. C. 159
Crans,W. J. 54
Croft,S. 348
Cross,A. S. 33, 120
Cryz,S. J. 120
Csomor,K. 18
Cui,L. 34, 35, 148, 233
Cummings,C. 234
Cummings,J. F. 70, 277
Cummings,L. M. 126
Cunningham,D. 235, 254
Custer,L. B. 67
Cutting,M. A. 103
Cuzzubbo,A. J. 36
Daftary,S. 234
Dalsgaard,A. 37
Dame,J. B. 13, 88
Danino,D. 179, 351
Das,R. 6, 38, 229, 256, 257, 310, 328
Daugherty,J. R. 132
Dav,K. 156
Dave,J. 363
Dave,J. R. 59, 224, 236, 237, 368, 374
Davis,S. A. 308, 349

- Day,N. P. J.** 347
De La Vega,P. 101
de Luca-Fradley,K. 348
De Santis,M. 118, 229
De Souza,M. 185
De Souza,M. S. 39, 141
Deal,C. D. 161
Debboun,M. 40, 97, 246
Del Valle,P. L. 238, 260
Delchambre,M. 19, 95, 264, 277
Delgado,A. V. 145
Dennis,G. 52, 130, 131
Dennis,G. J. 71
Desowitz,R. S. 382
Devine,P. L. 36
DeWitt,C. C. 55
Di Clementi,J. D. 63
Didie,E. R. 57
Dietze,R. 41
Ding,X. Z. 42
Dinh,H. K. 341
Dion-Schultz,A. 24
Doan-Wellons,Q. 57
Doctor,B. 363
Doctor,B. P. 59, 149, 338
Doerig,C. 110
Doherty,T. 19
Dolan,C. A. 386, 390, 392

- Dolan,M. J.** 22
- Dorin,D.** 273
- Dorn,A.** 43
- Dorris,M.** 122
- Dorsey,K. M.** 66
- Dow,G. S.** 239
- Dowler,M.** 14, 249
- Dowler,M. G.** 95
- Dowling,W.** 108
- Drazba,J. A.** 158
- Druilhe,P.** 231
- Duarte,E. C.** 44
- Ducker,D.** 232
- Duffy,P. E.** 105, 106, 247, 285, 381, 382
- Dung,N. M.** 347
- Dung,N. T.** 370
- Dunne,M.** 171
- Dunton,R. F.** 127, 156, 240, 283
- Durbin,A. P.** 45, 186
- Dutta,S.** 46, 132, 241, 313
- Eagles,D.** 269
- Eamsila,C.** 47, 48, 182
- Ebert,A. D.** 118
- Echeverria,P.** 198
- Eckels,K. H.** 79, 80, 173, 214, 235, 286, 300
- Eddington,N.** 274
- Edelman,R.** 120, 235, 254
- Edman,J. D.** 259

- Edsall,P.** 341
Edstein,M. D. 47, 48
Eikarat,N. 31
Eikenberg,S. L. 49
Eimpokalarp,B. 227
Etel,M. N. 27
Elkins,W. R. 45
Eller,M. 116
Elliott,P. 355
Elliott,W. R. 379
Ellis,W. Y. 43, 287
Elsayed,N. M. 50
Emmerich,E. 156
Endy,T. P. 12, 36, 103, 111, 242, 278, 312, 326, 360, 362
Ennis,F. A. 111, 155, 175, 242, 362, 378
Enriquez,J. I. 145
Enyedy,E. 369
Enyedy,E. J. 51, 52, 128, 129, 130, 131
Erickson,R. L. 232
Ernst,K. 240
Essiet,I. 65
Eugen-Olsen,J. 83
Faden,A. 236
Faden,A. I. 9
Fahie,R. 191
Faiz,M. A. 318
Fajardo,T. T. 197
Falade,C. O. 258

- Fan,Q.** 35, 233
Fan,W. 112
Farber,D. 369
Farber,D. L. 104, 199
Fasano,A. 147
Feaster,S. R. 93, 213
Feeaney,J. 188
Fegeding,K. 101, 160, 188
Fegeding,K. V. 243
Feighner,B. H. 174
Feng,X. 372
Ferdig,M. 372
Ferguson,J. 57
Fernandez-Prada,C. M. 42, 53, 244
Fidock,D. A. 123, 309
Findeis,P. M. 29
Fisher,C. U. 128, 129, 284, 314, 357
Fitzsimmons,L. D. 245, 265
Fleisher,A. 259
Fleming,E. R. 265
Fleming,S. D. 151
Fong,A. 10
Fonseca,D. M. 54
Fontana,J. L. 223
Fontes,C. J. 44
Forcino,D. 380
Forney,J. R. 55, 210, 250
Forslund,A. 37

- Fox,C.** 30
- Frances,S. P.** 246
- Frankel,S. S.** 30, 304
- Franzblau,S. G.** 5
- Freidman,M.** 119
- Freilich,D.** 231
- Fried,M.** 383
- Friedman,J. F.** 247
- Fries,L. F.** 56
- Fuchs,G. H.** 117
- Fudge,J. M.** 332, 337
- Fuhrmann,S. R.** 90, 166, 248, 315, 316, 317
- Fujioka,H.** 123, 158, 309
- Fuller,E. T.** 332
- Gainsborough,M.** 347
- Galbicka,G.** 57, 167
- Gallart,T.** 83
- Ganeshan,H.** 231
- Gao,Y.** 88
- Garcia,G.** 249, 363
- Garcia,G. E.** 93, 213, 338
- Garcia,L.** 156
- Garfield,M. K.** 189
- Garner,R.** 22, 141
- Garner,R. P.** 153
- Garrett,J. L.** 124
- Gasper,P. W.** 200
- Gasser,R. A.** 210

- Gasser,R. A. Jr.** 55, 250
Gbotosho,G. O. 258
Gearhart,P. J. 208
Geimonen,E. 108
Genovese,R. F. 58, 251
Gerena,L. 5, 88, 252, 258, 273, 287
Gershenson,J. 63
Gettayacamin,M. 139
Gettie,A. 10
Geyer,J. A. 110, 253, 371
Gill,E. 138
Gilliam,B. L. 96
Gilliland,W. 314, 357
Gilman,R. E. 180
Gilman,R. H. 154
Gilson,K. 92
Girma,M. 254
Glaser,K. 33
Glenn,G. M. 64
Gluzman,I. Y. 13
Goeckeritz,B. E. 71
Goedert,J. J. 83
Goldberg,D. E. 13
Goldberg,M. B. 193
Goldenbaum,M. B. 25
Gomez Carrillo,M. 26
Gomez,R. R. 145
Gordon,D. M. 70, 277

- Gordon,R. K.** 59
Gormas,J. F. 75
Gormas,J. K. 74
Gorny,M. K. 77
Gorogias,M. 263, 333
Gothard,P. 19
Gotte,D. 27
Gourley,M. F. 169
Gowda,D. C. 133, 192, 211
Gozalo,A. S. 90
Graham,R. R. 152
Gramzinski,R. 166
Grange,P. A. 157, 255
Gray,M. R. 311
Gray,R. H. 60, 61
Green,D. L. 23
Green,S. 103, 175, 242, 362, 378
Greenwalt,T. J. 73, 74, 75, 76
Greenwood,B. M. 19
Greer,S. E. 20
Griffiss,J. M. 161
Griffith,L. M. 21
Grimnes,J. M. 285
Grogl,M. 41
Grotbeck,E. J. 193
Grouard-Vogel,G. 116
Guandalini,S. 147
Gubanov,A. 55, 210

- Gupta,R. K.** 40, 246
- Guthridge,J. M.** 151
- Gutierrez,P.** 171
- Gyimah,D.** 7
- Ha,H. T.** 84, 267
- Ha,T. T.** 84
- Hadfield,T. L.** 53, 124, 244
- Hale,S.** 355
- Hale,S. L.** 368
- Hale,T. L.** 56
- Hall,B. T.** 277
- Hall,T.** 95, 158
- Hallenbeck,J. M.** 374
- Halstead,S. B.** 62
- Hamilos,D. L.** 63
- Hamilos,S. S.** 63
- Hammamieh,R.** 38, 256, 257
- Hammond,S. A.** 64
- Han,Z. B.** 85
- Hanley,K. A.** 186
- Hansen,B.** 188
- Hanson,C. E.** 65, 304
- Happi,C. T.** 258
- Harre,J. G.** 66
- Harrington,L. C.** 259
- Harris,L. D.** 67
- Harris,R. A.** 145, 146
- Hart,J. A.** 124

- Hartell,M. G.** 260
- Hartings,J.** 236, 269
- Hartings,J. A.** 261
- Hartl,M.** 234
- Hartman,A. B.** 65
- Hawkes,C.** 22, 96
- Hay,S. I.** 68
- Hayes,C.** 116
- Hayes,C. G.** 24, 62, 69
- Hayes,D.** 304
- Haynes,J. D.** 90, 166, 241, 248, 313, 315, 316, 317
- He,J.** 69
- Hedner,U.** 119
- Hedstrom,R. C.** 3
- Heilig,J.** 380
- Henchal,E.** 328
- Heppner,D. G.** 55, 70, 95, 136, 139, 140, 264, 277, 299, 308, 349
- Herendy,E.** 18
- Hernandez,L. A.** 286
- Herndon,T. M.** 71, 72
- Hess,J. R.** 2, 73, 74, 75, 76, 119, 145, 146, 191
- Hicks,R. P.** 201
- Hider,R. C.** 136
- Hien,B. T.** 84, 267
- Hierholzer,J.** 26
- Hijar,G.** 327
- Hill,A.** 19
- Hill,H. R.** 73, 74, 75, 76

- Hillier,C. J.** 262
Hillier,S. R. 148
Hilt,S. 10
Hioe,C. E. 77
Hirayama,J. 85
Hisaeda,H. 359
Hmel,P. J. 263, 276, 333
Ho,K. H. 28
Hobart,P. 231
Hoelscher,M. 78
Hoffman,S. L. 3, 90, 166, 181, 231
Hoke,C. H. Jr. 92
Holcomb,J. B. 119, 145, 146
Holder,A. A. 188
Holers,V. M. 151
Holland,C. 285
Holland,C. A. 264, 277
Hollingdale,M. R. 105
Holtz,B. L. 334
Hong,S. H. 6
Hong,S. P. 79, 80, 173
Hoover,D. L. 42, 53, 124, 244
Horton,J. 165
Hott,C. 13
Houng,H. S. 81, 82, 204, 254, 362
Hudson,T. 258
Hudson,T. H. 88, 225, 239
Huffman,A. H. 387, 389, 390, 391, 392, 394

- Hunt,R. E.** 102
Hussem,K. 312
Ikenaga,M. 85
Ikle,D. 63
Ingram,M. F. 265
Innis,B. L. 69, 92, 103, 159, 173, 312, 342
Ioannidis,J. P. 83
Isenbarger,D. W. 84, 227, 266, 267
Ishida,H. 268
Ishiko,H. 175
Ishizaki,K. 85
Ives,J. 269
Iyer,J. K. 86
Jabien,Z. 197
Jackson,J. 204, 339
Jackson,J. L. 335
Jacobs-Lorena,V. 123, 309
Jacobus,D. P. 270, 287
Jagodzinski,L. 96
Jagodzinski,L. L. 27
Jahan,N. 112
Jang,S. I. 290
Janini,M. 87
Janmey,P. A. 332
Janneh,O. 123
Janus,J. 155
Janusziewicz,A. 216, 217
Jennings,B. 225

- Jensen,N. P.** 270
- Jett,M.** 6, 38, 229, 234, 256, 257, 271, 272, 310, 328
- Jiang,S.** 88, 273, 316
- Jonas,W.** 89, 269
- Jones,G.** 77
- Jones,J. F.** 63
- Jones,J. W.** 259
- Jones,L. M.** 201
- Jones,T. R.** 90, 181
- Jongsakul,K.** 182, 195, 196, 365
- Juang,Y. T.** 128, 169, 170
- Jugsudee,A.** 141
- Kain,K. C.** 14, 55, 91, 164, 181, 210, 327
- Kalayanarooj,S.** 36, 103, 175, 362, 378
- Kalman,E.** 18
- Kamhawi,S.** 189
- Kamigaichi,S.** 85
- Kamimori,G. H.** 274
- Kammer,G. M.** 52, 130, 131, 169
- Kan,K. K.** 28
- Kane,A. S.** 184
- Kaneko,O.** 352
- Kanesa-Thasan,N.** 62, 81, 92, 155, 286, 300, 340, 362
- Kannan,S.** 118
- Kant,G. J.** 93, 213, 374
- Kantipong,P.** 196, 365
- Kaper,J. B.** 147
- Karle,J. M.** 275

- Karron,R. A.** 45, 186
Karyakar,C. 274
Kashala,O. 132
Kasmer,C. 208
Katinger,H. 304
Kato,T. 85
Katz,D. E. 82, 94
Katz,U. 154
Katzenstein,T. L. 83
Kautz,M. A. 331, 367
Kazura,J. W. 123
Keep,L. W. 135
Keeratithakul,G. 182
Keim,K. L. 18
Kelley,P. W. 25
Kengluecha,A. 99
Kennedy,A. 263, 276
Kennedy,A. M. 333
Kester,K. 285
Kester,K. E. 14, 19, 55, 70, 95, 264, 277, 308, 349
Ketchum,L. H. 334
Keystone,J. S. 91, 164
Khamboonruang,C. 30
Khan,F. 160
Khuntirat,B. 278, 352
Kiang,J. 279
Kigozi,G. 60
Kim-Ahn,G. 92

- Kim,B.** 27, 78, 185
Kim,H. C. 174
Kim,J. H. 96
Kim,N. 118
Kim,S. O. 79, 80, 173
Kim,T. T. 71
Kim,Y. S. 157
King,A. 92
King,C. C. 24
Kinnaman,K. E. 66
Kipmutai,R. L. 283
Kirisits,M. J. 122
Kirkham,F. J. 347
Kitao,H. 85
Kitchener,S. 48
Kitov,S. 101
Kitthawee,S. 259
Klasson,L. 143
Klotz,F. W. 165
Klun,J. A. 97
Knapp,A. D. 74, 75
Kneen,R. 347
Kocer,S. S. 108
Kocisko,D. A. 47
Koenig,M. 280
Koenig,M. L. 98, 281, 295, 296, 375
Koh,J. 110
Kohlhase,K. F. 159

- Kollars,T. M. Jr.** 31, 99, 100
- Kolodny,N.** 101
- Komisar,J. L.** 102, 243, 377
- Kopydlowski,K. M.** 239, 282
- Korman,A. K.** 283
- Kostrikis,L. G.** 83
- Kotecka,B. M.** 270
- Kotipun,K.** 136
- Kozikowski,A. P.** 149
- Kraemer,K. H.** 208
- Krauss,M. R.** 135, 393
- Krieg,A. M.** 140
- Krishnamurti,C.** 103, 337
- Krishnan,S.** 104, 130, 131, 199, 284, 314
- Kroll,J. S.** 207
- Kruetzer,R.** 117
- Krzych,U.** 95, 105, 277
- Kubinyi,G.** 380
- Kublin,J. G.** 86
- Kuipers,H.** 83
- Kum-Arb,U.** 140, 326
- Kumar,A.** 284, 314, 357
- Kumar,S.** 150, 231, 262, 317
- Kurtis,J. D.** 105, 106, 247, 285
- Kuschner,R.** 198
- Kuschner,R. A.** 69, 286, 342
- Kuzma,P. J.** 23
- Kyle,D.** 176, 292

- Kyle,D. E.** 16, 88, 122, 123, 126, 136, 182, 252, 258, 273, 282, 287, 309, 336
- Lacerda,R. N.** 142
- Ladda,R.** 107
- Lafontant,J. G.** 62
- Lai,C. J.** 45
- LaMonica,R.** 108
- Lanar,D. E.** 3, 46, 101, 105, 132, 150, 231, 241, 262, 285, 313, 322
- Lane,J.** 22
- Lang-Unnasch,N.** 176
- Laoboonchai,A.** 319, 325
- Larkin,T. M.** 23
- Larsson,P.** 143
- Laverman,P.** 351
- Lawless,N.** 109
- Lawyer,P. G.** 144
- Le Roch,K.** 110
- Lebron,C.** 154, 198
- Lee,J.** 288, 361, 380
- Lee,J. K.** 289
- Lee,J. M.** 221, 222
- Lee,J. W.** 290
- Lee,K. W.** 174, 290
- Lee,P. J.** 291, 303
- Lee,S. H.** 173
- Lee,T.** 159
- Lehmann,A. R.** 208
- Lehmann,T.** 172
- Leitman,S. F.** 20, 21

- Leitner,W. W.** 160
Leke,R. 133
Leung,L. 10
Lewis,A. A. 224
Lewis,M. G. 304
Li,P. K. 206, 371
Li,Q. 182, 292, 293
Li,Q. G. 294, 343
Li,X. 61
Li,Y. 393
Li,Z. 110, 206, 371
Lian,Y. 10
Liang,H. 90, 166, 315, 316, 317
Libratty,D. H. 111, 242, 311, 326, 362
Limsomwong,C. 139, 325
Lin,W. 37
Lin,Y. 89
Linardi,V. R. 234
Lindler,L. 143
Lindler,L. E. 112, 124, 168
Lindstrom,J. A. 161
Ling,I. T. 188
Liossis,S. N. 52
Lippert,L. E. 73, 74, 75, 76, 191
Lira,R. 117
Liyala,P. O. 323
Llinas,N. 171
Lockridge,O. 338

Long,J. B. 98, 289, 295, 296, 302, 375

Loomis-Price,L. 96

Loomis-Price,L. D. 141

Louder,M. 116

Louie,L. G. 83

Lowell,G. H. 56

Lu,S. 10

Lu,X. C. 113

Lu,X. M. 203

Lucas,C. 90

Luckett,C. 226

Ludwig,G. 328

Ludwig,G. V. 25

Luesutthiviboon,L. 182

Lumley,L. A. 114, 297

Lund,B. J. 298

Lund,D. J. 298

Lutalo,T. 61

Luty,A. J. 105

Luu,T. 90

Luxemburger,C. 299

Luzz,M. 171

Ly,A. 10

Lyon,J. A. 70, 160, 188

Lyons,A. 286

Lyons,A. G. 214, 300

Lyons,R. E. 122

Maboko,L. 78

- Macaitis,J. M.** 119
Macdonald,V. W. 2, 301, 302
Mack,D. G. 122
Mackow,E. R. 108
MacMillan,S. K. 13
MacPhee,M. J. 145, 146
Madden,S. L. 126
Magill,A. 372
Magill,A. J. 55, 90, 210, 250
Mahle,K. C. 291, 303
Majam,V. 231
Majam,V. F. 3
Mallal,S. A. 83
Mallett,C. P. 56
Malone,J. D. 22
Mammen,M. P. 214, 300, 340
Maneechai,N. 177
Manganello,L. M. 308, 349
Mangold,B. E. 24
Margolick,J. B. 83
Marin,R. 115
Mark,B. 114
Mark,M. J. 376
Markowitz,L. E. 141
Marovich,M. 116
Marovich,M. A. 117
Marquez,J. P. 159
Marquino,W. 327

Martin,L. 356

Martin,R. K. 13, 126, 282

Martin,S. K. 34, 35, 148, 233

Martinez,A. 6

Martinez,J. 394

Martinez-Lacaci,I. 118

Martinez,O. P. 83

Martinowitz,U. 119

Mascola,J. 116

Mascola,J. R. 10, 96, 304

Mason,C. J. 325

Masukawa,M. 85

Mathavarat,C. 370

Matile,H. 43

Matyas,G. R. 305, 306

Matysik,F. M. 18

Mayers,D. 22, 96

Mayorga,M. A. 28, 109

Mboudjeka,I. 10

McAdam,K. P. 19

McCarron,R. 18

McCarron,R. M. 374

McCarthy,M. 198

McClain,J. B. 120, 161

McCutchan,F. E. 26, 27, 78, 87, 185

McCutchan,T. F. 150

McDaniel,P. 311, 370

McDonald,G. A. 183

- McDonald,R. A.** 121
McFaul,S. 307
McGrath,S. M. 308, 349
McKinney,D. A. 95, 300
McLeod,R. 122
McNamara,D. T. 123, 309
McNeil,J. G. 22, 153
McQueen,C. E. 151
Meehan,M. 60
Megnekou,R. 133
Mehlotra,R. K. 123, 309
Mekalanos,J. 37
Melendez,V. 238, 260
Melhem,M. 38
Men,R. 45
Mendez,S. 189
Mendis,C. 229, 310
Mense,M. G. 17, 124, 200
Merchant,S. 248, 316, 317
Metselaar,J. M. 351
Mettille,F. 191
Meyer,L. 83
Meyerhoff,J. L. 98, 114, 281, 296, 297, 375
Meza,R. 154
Mhalu,F. 78
Michael,N. L. 22, 83, 96, 121
Milazzo,M. J. 153
Miles,M. A. 142

- Milhous,W.** 41, 258, 292
- Milhous,W. K.** 86, 122, 125, 270, 287, 293, 336, 343, 366
- Millard,C. B.** 338
- Miller,M. E.** 174
- Miller,R. S.** 55, 250, 290, 311, 318, 370
- Miller,V. L.** 101, 262
- Milligan,P. J.** 19
- Mintz,E.** 37
- Mitchell,J. P.** 51
- Mitchell-Raymundo,F.** 159
- Miyagi,I.** 54
- Moch,J. K.** 90, 166, 248, 315, 316, 317
- Moch,K.** 241, 313
- Mochmer,K. L.** 332
- Mog,S.** 291, 292, 303
- Mog,S. R.** 58, 251, 293, 295, 343
- Mogi,M.** 54
- Mohanty,S.** 1
- Monath,T.** 154
- Mongan,P. D.** 223
- Montemarano,A. D.** 56
- Montgomery,L. D.** 380
- Montoya,Y.** 327
- Moody,T.** 6
- Moon,S. B.** 173
- Moorad,D. R.** 338
- Moores,L. K.** 71
- Moretto,W. J.** 77

- Morgan,A.** 238
Morgan,W. D. 188
Morrissette,C. 18, 380
Morrissette,C. R. 334
Morse,B. C. 202
Mostbock,S. 160
Moulton,L. H. 60
Mtalib,R. 106, 247, 285
Mu,J. 372
Muench,S. P. 122
Mui,E. J. 122
Mulshine,J. L. 6
Munasinghe,A. 126
Murphy,B. R. 45, 186
Murphy,C. I. 132
Murphy,G. 116
Murphy,G. R. 24
Murphy,M. W. 127
Murray,C. K. 311
Mwangi,J. K. 323
Myers,M. F. 68
Myint,K. S. 196, 365
Myint,K. S. A. 312
Naess,E. 11
Nagy,I. 18, 380
Nagy,Z. 18
Naik,R. S. 133
Nair,L. P. V. 241, 313

- Nambiar,M.** 369
- Nambiar,M. P.** 51, 52, 104, 128, 129, 130, 131, 199, 284, 314, 357
- Narum,D.** 231
- Narum,D. L.** 90, 166, 248, 315, 316, 317
- Nasveld,P. E.** 48
- Nath,J.** 216, 217
- Nazarova,J.** 108
- Ndikum,N. N.** 258
- Negrete,M.** 26
- Neill,R.** 38, 229
- Nelson,K. E.** 30
- Nelson,L.** 215
- Ness,J. W.** 298
- Neva,F. A.** 117
- Newton,P.** 346
- Ng,P.** 376
- Nguyen,H. A.** 58, 251
- Niebuhr,D.** 393
- Nielsen,R.** 14
- Nigam,S. V.** 59
- Nikolic,M.** 53, 244
- Nimmannitya,S.** 103, 362
- Nirdnoy,W.** 82
- Nisalak,A.** 36, 103, 175, 242, 347, 362, 378
- Nishizawa,K.** 85
- Nitayaphan,S.** 185, 395
- Nixon,D. F.** 77
- Noedl,H.** 318, 319

- Norman,J. A.** 231
Norman,J. E. 175
Norris,P. J. 77
Nosten,F. 299
Novak,M. J. 29, 226
Novakoski,W. L. 174
Nutman,T. B. 117
Nutter,D. 63
O'Brien,K. L. 60
O'Brien,T. R. 83
O'Neil-Dunne,I. 133
O'Neill,E. M. 191
Oaks,E. V. 320
Obaldia,N. 3rd 166
Oblitas,J. M. 20
Ockenhouse,C. 70, 188, 204, 373
Ockenhouse,C. F. 46, 55, 95, 132, 133, 192, 211, 277
Odour,S. 356
Oduola,A. M. J. 258
Ogata,S. A. 36
Oglesby,R. 314, 357
Oglesby,R. J. 71
Ogonda,L. A. 321
Ogundahunsi,O. A. T. 258
Ogutu,B. 323
Ohas,E. A. 322
Ohrt,C. 1, 165, 181, 245, 291, 303, 345, 356, 366
Oliver,C. K. 73, 74, 75, 76

- Oliver,J. D.** 222
Oloo,A. J. 165
Olson,R. A. 173
Olufade,A. 269
Onaca,N. 119
Onyabe,D. Y. 32
Onyango,F. K. 106
Opal,S. M. 33
Opawale,O. 239
operskalski,E. 83
Opiyo,M. O. 323
Oppollo,M. 247
Oquendo,I. 5
Orago,A. S. S. 321, 322
Oragui,E. E. 207
Otterstetter,R. 274
Outlaw,A. 348
Oyejide,A. 102
Oyston,P. C. 143
Pagac,B. 54
Pagac,B. B. 25
Palardy,J. E. 33
Palensky,J. 95
Pando,M. A. 26
Pang,L. W. 44, 82, 84, 227, 267, 318
Pantaleo,G. 83
Parejo,N. A. 33
Paris,R. 134

- Paris,R. M.** 135
Park,H. 290
Parker,S. E. 231
Patankar,S. 126
Patino,J. A. 188
Pattanapanyasat,K. 136
Paulus,B. F. 212
Pavlin,J. A. 25
Pearce,F. 361
Pearce,F. J. 222, 223, 295, 324, 380
Peat,R. A. 103, 332, 334
Peel,S. A. 137, 282
Peggins,J. O. 294
Perfetto,S. P. 22
Perich,M. 174
Perich,M. J. 127, 138
Perjes,G. 18
Perreault,J. R. 45
Peruski,L. F. 24
Petras,J. 303
Petras,J. M. 291
Pezzullo,J. C. 1
Phasuk,R. 325
Pichyangkul,S. 111, 139, 140, 326
Pillai,D. R. 327
Pinder,M. 19
Pineiro-Carrero,V. 209
Pitarangsi,C. 227, 266

- Pittman,P. R.** 306
Pitzer,K. K. 226
Pivacek,L. E. 191
Platt,K. B. 342
Plowe,C. V. 86
Polonis,V. 185
Polonis,V. R. 141
Polsa,N. 31
Polyak,C. S. 159
Popek,M. 168
Porter,C. H. 172
Porter,K. R. 24
Potter,T. C. 29
Povoa,M. M. 32, 142
Powers,T. 393
Prasanna,V. 265
Prestidge,R. 8
Prieto-Go,D. 197
Priev,A. 179
Prigge,S. T. 88, 110, 253, 273, 371, 384
Prior,R. G. 143
Probst,R. J. 144
Procter,J. L. 21
Proctor,G. R. 5
Puavilai,G. 395
Punkitchar,V. 177
Purnomo 345
Pusateri,A. E. 119, 145, 146

Putnak,J. R. 92, 173, 286, 300, 340

Putnak,R. 79, 80, 235

Putvatana,R. 62, 116

Que,J. 120

Quiles,J. G. 263, 276, 333

Quinn,T. C. 30, 60, 61

Quino-Ascurrá,H. A. 55

Quintana,M. 138

Rachapaew,N. 177

Raengsakulsrach,B. 92

Rafferty,J. B. 122

Ragno,G. 191

Raimondi,F. 147

Rajasekariah,G. R. 34, 148

Rajendran,V. 149

Rakstang,J. 151

Ramamoorthy,P. 328

Ramos,Z. 5

Rao,M. 305, 329

Rasameesoraj,M. 346

Rathore,D. 150

Ratto-Kim,S. 77, 96

Ray,J. A. 341

Ray,P. 268, 330

Ray,R. 330

Razuri,M. 154

Redmond,D. P. 63, 220

Reeber,S. L. 289

- Reece,W. H.** 19
Rehak,N. N. 20
Rehrig,S. 151
Reichardt,R. M. 220, 331
Reid,T. 7
Reid,T. J. 103, 263, 276, 302, 332, 333, 334
Reid,T. J. III 337
Reinis,M. 152
Renzullo,P. O. 39, 153
Reynolds,M. J. 45
Reynolds,R. D. 159
Reynolds,S. 239
Rho,H. M. 79, 80
Ribeiro,J. M. 189, 190
Ribeiro,L. C. 44
Rice,D. W. 122
Richie,T. L. 181, 231
Riddle,M. S. 335
Ridley,R. G. 43
Rieckmann,K. H. 48, 270
Riel,M. A. 336
Rifkind,J. M. 2
Ritchie,V. 57
Ritzer,D. R. 396
Rizzardi,G. P. 83
Robb,M. 22, 60
Robb,M. L. 39, 96
Robb,M. R. 185

- Roberts,C. W.** 122
Robertson,G. T. 244
Robinson,T. N. 32
Robison,C. L. 114, 297
Rockwell,B. A. 11
Roepe,P. D. 123
Rogers,D. J. 68
Rogers,M. 87
Rogers,W. O. 3
Roh,C. S. 174
Rong,S. B. 149
Rooney,J. 339
Roop,M. R. 244
Rose,D. J. 193
Rosen,G. M. 184
Rosenberg,P. S. 83
Rosenberg,R. 249, 323
Rosenthal,D. S. 330
Rosenthal,M. 18
Roth,D. E. 154
Rothman,A. L. 155, 175, 242, 362, 378
Rothwell,S. W. 103, 329, 337
Rowley,W. A. 127
Rowton,E. 190
Rowton,E. D. 144, 172, 189
Royalee,A. 310
Ruangveerayuth,R. 346
Rubertone,M. V. 135

- Ruble,G. R.** 65, 67
Rudolph,A. S. 2
Ruebush,T. K. II 327
Rugg,N. 74, 75
Rugpao,S. 30
Russell,K. 62
Russell,K. L. 26
Russo,M. B. 220
Ryan,J. R. 148, 156
Ryu,H. 157
Rzomp,K. A. 35, 233
Sacci,J. B. 231
Sacci,J. B. Jr. 3, 101
Sacks,D. L. 189
Sadoff,J. 180
Saengkrai,P. 139
Salas,C. J. 210
Salomon,D. S. 118
Salomon,H. 26
Saluzzo,J. F. 92, 155
Sam-Yellowe,T. Y. 158
Samuel,B. U. 122
Sanchez,C. 310
Sanchez,J. 26, 41, 180
Sanchez,J. L. 159
Sandeep,K. 369
Sanders-Buell,E. 27, 185
Sanders,J. W. 335

- Sardelis,M. R.** 54
Sarkadi,A. 18
Sasiprapha,T. 48
Sateren,W. B. 153
Sattabongkot,J. 31, 156, 177, 359
Saul,A. 359
Savay,S. 179, 351
Saviolakis,G. 215
Saviolakis,G. A. 93, 213
Saviolakis,G. S. 297
Sawyer,E. S. 332
Saxena,A. 149, 338
Schantz,P. M. 339
Scheiblhofer,S. 160
Scherer,J. M. 340
Schlesinger-Frankel,S. 116
Schmalung,K. B. 63
Schmidt,K. A. 161
Schmidt,W. F. 97
Schneider,H. 161
Schuitemaker,H. 83
Schurig,G. G. 53
Schuschereba,S. T. 341
Schuster,B. 41
Schuster,B. G. 1, 162, 163
Scott,D. A. 198
Scott,R. M. 12, 312
Scott,T. W. 259

- Scovill,J. P.** 43, 226
- Sedegah,M.** 231
- Seelbaugh,J.** 263, 276
- Seelbaugh,J. P.** 332, 333
- Sellers,P.** 282
- Senchak,S. E.** 29
- Serichantalergs,O.** 37, 227
- Seriwatana,J.** 69, 342
- Serwadda,D.** 60, 61
- Sethabutr,O.** 82, 325
- Sewankambo,N. K.** 60, 61
- Sgarlat,C. M.** 98
- Shafer,R.** 55, 210
- Shan,X. C.** 72
- Shanks,G. D.** 68, 91, 164, 165
- Shaw,R. D.** 108
- Shea-Donohue,T.** 151, 209
- Sheikh,F. G.** 330
- Shepard,M.** 117
- Shepherd,G. A.** 159
- Sheppard,H. W.** 83
- Sherman,C.** 138
- Shimada,T.** 37
- Shimazu,T.** 85
- Shmuklarsky,M.** 120
- Shmuklarsky,M. J.** 14
- Shoaibi,A.** 126
- Shrestha,M. P.** 312

- Shrestha,Y.** 12
Si,Y. 292
Si,Y. Z. 293, 343
Siangla,J. O. 344
Sibley,C. H. 270
Silamut,K. 346
Silberstein,E. B. 74
Silvers,M. 356
Silvers,M. J. 345
Sim,B. K. 166
Sim,B. K. L. 90, 248, 315, 316, 317
Simms,L. 282
Simpson,J. A. 299
Sing,H. C. 220
Sipos,M. L. 167
Sirichaisinthop,J. 55, 250, 319
Sirisopana,N. 182
Siriyanonda,D. 346
Sithiprasasna,R. 40
Sjostedt,A. 143
Skanchy,D. 249
Skanchy,D. J. 225, 226, 238
Slusher,B. 203
Slusher,B. S. 375
Smith,S. 347
Smithyman,A. M. 148
Snellings,N. J. 168
Snow,R. W. 68

- Solomon,T.** 347
Solomou,E. E. 169, 170
Soranaka,E. T. 67
Soto,J. 171
Soto,S. I. 172
Sowunmi,A. 258
Sprinz,H. 107
Srey,R. 191
Srijan,A. 266
Sriplienchan,S. 39
Sriranganathan,N. 53
Srivastava,A. K. 80, 173
Srivastava,I. 10
Stamatatos,L. 10
Stankova,M. 152
Stein,M. 119
Stephens,A. 207
Stephens,C. E. 348
Stephens,H. A. F. 378
Steurer,F. 339
Stewart,G. J. 83
Stewart,V. A. 139, 308, 349
Stiegler,G. 304
Stiteler,J. 204
Stiteler,J. M. 148
Stiteler,J. S. 144
Stoica,B. 236
Stone,E. M. 4

- Storm,G.** 351
Stout,R. R. 3
Stoute,A. J. 322
Stoute,J. A. 321, 344, 364
Stover,T. J. 29
Stowers,A. 359
Streit,T. G. 62
Strickman,D. 40, 174, 186
Stroncek,D. F. 21
Stuck,B. E. 298, 341, 379
Stuhmiller,J. H. 28
Su,X. 372
Sudiro,T. M. 175
Suharyono,W. 24
Sui,R. 4
Sun,W. 45, 62, 92, 116, 214, 235, 254, 300, 340, 362
Suntayakorn,S. 362
Suswam,E. 176
Suwanabun,N. 177
Suzuki,F. 85
Svensson,T. 143
Sweeney,C. 204, 373
Syed,S. E. 188
Szebeni,J. 178, 179, 350, 351
Szponry,L. 18
Szymanski,I. O. 191
Tabaku,L. S. 215
Tachibana,M. 352

- Tai,Y. H. 215
Takhampanya,R. 360
Talmon,Y. 179, 351
Tamas,I. 143
Tan,E. V. 8
Tan,P. L. 8
Tassaneetrithep,B. 116
Taufik,E. 181
Tawarayama,Y. 85
Taylor,C. M. 4
Taylor,D. N. 56, 94, 154, 180
Taylor,D. W. 133
Taylor,W. R. 181
Teja-Isavadharm,P. 182, 346
Temenak,J. J. 24, 183
Terpinski,J. 270
Terrell,J. C. 253
Thalhamer,J. 160
Thanarat,P. 311
Thanoosingga,N. 290
Thao,L. T. T. 347
Theodorou,I. D. 83
Thien,V. H. 370
Thohan,S. 184
Thomas,J. L. 387, 396
Thomas,M. L. 220
Thomas,M. L. 3rd. 202
Thomas,R. 256, 257

Thomas,S. 214, 258

Thomas,S. J. 300

Thompson,G. A. 212

Thorne,D. R. 220

Thumar,B. 45

Thuroczy,G. 380

Tippayachai,B. 100

Titball,R. W. 143

Tjitra 181

Tobias,S. 109

Toledo,J. 171

Tolnay,M. 194, 353

Toma,T. 54

Torii,M. 177, 352, 359

Torimiro,J. N. 27

Tornieporth,N. 19, 95, 264, 277

Tortella,F. 89, 269, 354

Tortella,F. C. 9, 113, 203, 224, 236, 237, 261, 355, 368, 374

Tovanabutra,S. 30, 185

Towle,A. C. 173

Tracy,L. A. 345, 356

Trepel,J. 6

Trichavaroj,R. 39, 185

Trofimovich,L. 393

Troyer,J. M. 186

Tseng,J. 102, 243, 377

Tsokos,C. G. 357

Tsokos,G. 358, 369

- Tsokos,G. C.** 51, 52, 72, 104, 128, 129, 130, 131, 151, 169, 170, 187, 194, 199, 284, 314, 357
- Tsuboi,T.** 177, 352, 359
- Tuen,M.** 77
- Turbyfill,K. R.** 320
- Tuur-Saunders,S. M.** 197
- Ubol,S.** 360
- Ullum,H.** 83
- Ulmer,J.** 10
- Ursos,L. M.** 123
- Uthaipibull,C.** 188
- Uzma,A. F.** 323
- Vaeth,M. F.** 25
- Vahey,M.** 30, 239
- Valbuena,A.** 291, 303
- Valenzuela,J. G.** 189, 190
- Valeri,C. R.** 191
- Valiyaveettil,M.** 133, 192, 211
- Valli,L. C.** 41
- Van Albert,S.** 92, 221, 361
- Van de Verg,L.** 161
- Van De Verg,L. L.** 124
- Van Ness,K.** 263
- VanCott,T.** 30, 61
- VanCott,T. C.** 96, 141, 304
- Vandasova,J.** 152
- Vassell,M. A.** 101
- Vassell,M. R.** 241, 262
- Vaughn,D. W.** 36, 45, 69, 81, 92, 103, 173, 175, 214, 235, 242, 254, 286, 300, 312, 340, 342,

- 347, 362, 378
- Vazques,J.** 5
- Ved,H.** 363
- Ved,H. S.** 59
- Velapatino,B.** 154
- Velez B.,I. D.** 172
- Vemulapalli,R.** 53
- Venkatesan,M. M.** 193, 207
- Vennerstrom,J. L.** 16, 43
- Vereshchagina,L. A.** 194
- Vicenzi,E.** 83
- Vigneron,L.** 19, 264, 277
- Villahermosa,L. G.** 197
- Vinoles,J.** 26
- Vithayasai,N.** 227
- Vlahov,D.** 83
- von Sonnenburg,F.** 78
- Voss,G.** 19, 95, 308, 349
- Wabwire-Mangen,F.** 60, 61
- Waitumbi,J. N.** 321, 344, 364
- Wallace-Jones,B.** 118
- Walsh,D. S.** 8, 47, 48, 55, 136, 139, 140, 195, 196, 197, 326
- Walsh,G. P.** 8, 197, 365
- Walwender,D.** 64
- Walz,S. E.** 198
- Wang,R.** 231
- Wang,S.** 10
- Wange,R. L.** 72

- Wangui,J. M.** 323
- Ware,L. A.** 46, 101, 241, 313
- Warhurst,D.** 142
- Warke,V.** 369
- Warke,V. G.** 104, 128, 129, 130, 131, 199, 284, 314, 357
- Warren,H. S.** 33
- Warren,R. A.** 161
- Wassef,N. M.** 305, 306
- Wasserman,S.** 235
- Watanabe,J.** 154
- Watanaveeradej,V.** 26
- Waters,N. C.** 110, 206, 253, 371
- Watson,J. D.** 8
- Watson,R. P.** 200
- Watt,G.** 182, 195, 196, 365
- Watts,B.** 232
- Watts,D. M.** 24, 62
- Wawer,M. J.** 60, 61
- Webster,A. R.** 4
- Wechselberger,C.** 118
- Wei,L.** 88, 282
- Weina,P. J.** 366
- Weiner,M.** 184
- Weiss,R.** 160
- Weissman,D.** 30
- Weitz,J. A.** 59
- Wellde,B. T.** 144
- Wells,J. G.** 37

- Weng,C. F.** 102
Werbovetz,K. 348
Werbovetz,K. A. 225
Wernsdorfer,W. H. 319
Wesche,D. L. 1
Wesensten,N. J. 220, 331, 367
Wesley,R. A. 21
West,K. 155
Whelen,A. C. 14
White,N. J. 299, 346, 347
Whitehead,S. S. 45, 186
Whitehead,T. L. 201
Widjaja,H. 181
Wilcox,M. 11
Wild,C. T. 10
Wilkerson,R. C. 32, 54
Wilkinson,A. C. 202
Wilkinson,D. 83
Willett,G. 30
Williams,A. 269, 355
Williams,A. J. 9, 113, 203, 224, 236, 237, 261, 368
Williams,J. 14, 35, 233, 264
Williams,J. D. 220
Williams,K. 143
Wimonwatrawatee,T. 319
Wingard,J. 248, 315, 316, 317
Winter,D. B. 208
Wirth,D. F. 126, 258

- Wirtz,R.** 249
- Wirtz,R. A.** 138, 142, 156, 174
- Withers,M. R.** 342
- Wittes,J.** 95
- Wolf,M. K.** 147
- Wolfe,N. D.** 27
- Wong,H.** 369
- Wong,H. K.** 104, 131, 199
- Wongkalasin,K.** 278
- Wongsrichanalai,C.** 55, 250, 290, 311, 318, 319, 327, 370
- Woodard,C.** 345
- Woodard,C. L.** 110, 206, 371
- Wootton,J.** 372
- Workman,C.** 83
- Wortmann,G.** 204, 373
- Wozniak,K.** 375
- Wren,B. W.** 143
- Wright,C. H. G.** 11
- Wright,K. M.** 387
- Writer,J. V.** 25, 205
- Wu,S. J.** 24, 116
- Xiao,Z.** 206
- Yamuah,L.** 19
- Yang,D.** 310
- Yao,C.** 224, 236, 237, 368, 374
- Yi,L.** 156
- Yi,L. P.** 148
- Yim-amnuaychok,N.** 177

- Yingyuan,K.** 311, 319
Yongvanitchit,K. 136, 139, 140, 326
Yoo,W. D. 79, 80, 173
Yoon,K. J. 342
Young,M. A. 30
Yourick,D. 271, 272
Yourick,D. L. 98, 289, 295, 375
Yu,J. 207
Yu,Z. Y. 368, 374
Yunus,E. B. 318
Zagury,J. F. 83
Zagvazdin,Y. 18
Zahradnik,J. M. 92
Zeichner,S. J. 376
Zelazowska,E. B. 244
Zeng,Q. 273
Zeng,X. 208
Zhang,P. 376
Zhao,A. 209
Zhao,B. 173
Zhao,W. 377
Zhong,K. J. 210
Zhou,A. 133
Zhou,S. 22
Zimmerman,M. D. 12
Zimmerman,P. A. 123, 309
Zivna,I. 378
Zivny,J. 175

- Zolla-Pazner,S.** 77
Zurich,M. C. 184
Zwick,H. 11, 298, 379

TITLE INDEX

- Abstracts of Papers of the American Chemical Society** 212
- Abstracts of the General Meeting of the American Society for Microbiology** 227, 229, 230, 234, 244, 255, 266, 267, 271, 306, 320
- Abstracts --Society for Neuroscience** 213, 224, 236, 251, 261, 269, 281, 289, 296, 297, 355, 368, 374, 375
- Advanced Technology Applications to Combat Casualty Care: ATACCC 2001** 218, 219, 221, 228, 237, 263, 276, 279, 280, 288, 295, 301, 302, 307, 324, 350, 353, 354, 358, 361
- AIDS** 26, 78, 153, 185, 304
- AIDS Research and Human Retroviruses** 39, 96, 141, 152
- American Journal of Epidemiology** 232
- American Journal of Obstetrics and Gynecology** 60
- American Journal of Tropical Medicine and Hygiene** 31, 41, 43, 44, 45, 62, 100, 103, 171, 181, 182, 186, 196, 198, 204, 211, 214, 225, 226, 231, 233, 235, 238, 239, 240, 241, 242, 245, 246, 247, 248, 249, 250, 252, 253, 254, 258, 259, 260, 262, 264, 265, 270, 273, 275, 277, 278, 282, 283, 285, 286, 287, 290, 291, 293, 294, 299, 300, 303, 308, 309, 311, 312, 313, 315, 316, 317, 318, 319, 321, 322, 323, 325, 326, 327, 335, 336, 339, 340, 342, 343, 344, 345, 346, 347, 348, 349, 352, 356, 359, 360, 362, 364, 365, 366, 370, 371, 372, 373, 378
- American Journal of Veterinary Research** 124
- AMSARA: Accession Medical Standards Analysis and Research Activity 2000 annual report** 393
- Annals of Internal Medicine** 83, 134
- Annals of the New York Academy of Sciences** 25
- Antimicrobial Agents and Chemotherapy** 16, 88
- Archives of Ophthalmology** 4
- Arthritis and Rheumatism** 52, 131
- Artificial Cells, Blood Substitutes, and Immobilization Biotechnology** 2
- ASM News** 205
- Assessing psychological readiness in the U.S. soldiers following NATO operations** 394
- Aviation Space and Environmental Medicine** 85
- Biochemical and Biophysical Research Communications** 110
- Bioorganic & Medicinal Chemistry Letters** 206
- Biopolymers** 201

- Biotechnology Letters** 80
- Blood** 21, 104, 332, 333, 334, 337
- Brain Research** 9
- British Journal of Clinical Pharmacology** 1, 47
- Cellular Immunology** 128
- Clinical and Diagnostic Laboratory Immunology** 36, 154
- Clinical and Experimental Dermatology** 8, 195, 197
- Clinical Cancer Research** 38
- Clinical Immunology** 51
- Clinical Infectious Diseases** 91, 117, 164, 165
- Clinical Physiology** 63
- Comparative Medicine** 65
- Contemporary Topics in Laboratory Animal Science** 67, 202
- Critical Care Medicine** 109
- Critical Reviews in Therapeutic Drug Carrier Systems** 178
- Cytokine** 42
- Deployment cycle effects on the psychological screening of soldiers** 387
- Diabetes Care** 135
- Diagnostic Microbiology and Infectious Disease** 82
- DNA Sequence** 79
- Drug Metabolism and Disposition** 184
- Drug Resistance Updates** 137
- Epidemiology and Infection** 84
- European Journal of Immunology** 160
- Experimental Parasitology** 35, 176, 192
- FASEB Journal** 6, 215, 222, 223, 243, 257, 268, 272, 274, 292, 305, 310, 328, 329, 330, 338, 363, 377
- FEMS Microbiology Letters** 207
- Free Radical Biology & Medicine** 217

- Gastroenterology Clinics of North America** 94
- Gene** 34
- General Dentistry** 49
- Homocysteine in Health and Disease** 384
- Immunological Investigations** 199
- The impact of operation tempo: issues in measurement** 388
- Infection and Immunity** 46, 53, 56, 106, 133, 157, 168, 193
- International Immunopharmacology** 179
- International Journal for Parasitology** 122
- IOVS** 298, 341, 379
- Journal of Alternative and Complementary Medicine** 162, 163
- Journal of Applied Microbiology** 143
- Journal of Applied Toxicology** 57, 59, 167
- Journal of Autoimmunity** 130
- Journal of Biological Chemistry** 108
- Journal of Biomedical Science** 69
- Journal of Cellular Biochemistry** 129
- Journal of Cellular Physiology** 118
- Journal of Chromatography. B, Biomedical Sciences and Applications** 101
- Journal of Clinical Microbiology** 24, 37, 55, 112, 210
- Journal of Clinical Rheumatology** 71
- Journal of Comparative Pathology** 17
- Journal of Electronic Imaging** 11
- Journal of Experimental Biology** 190
- Journal of Experimental Medicine** 189
- Journal of Human Virology** 121
- Journal of Immunological Methods** 139, 140, 148
- Journal of Immunology** 72, 151, 169, 170, 194

- Journal of Infectious Diseases** 30, 33, 90, 95, 180
- Journal of Investigative Dermatology** 369
- Journal of Investigative Dermatology. Symposium Proceedings** 116
- Journal of Leukocyte Biology Supplement** 216
- Journal of Medical Entomology** 54, 97, 99, 127
- Journal of Medical Virology** 159, 175
- Journal of Molecular Biology** 188
- Journal of Molecular Structure: Theochem** 15
- Journal of Parasitology** 107, 177
- Journal of Pediatric Gastroenterology and Nutrition** 147
- Journal of Pharmacology and Experimental Therapeutics** 203, 209
- Journal of the Acoustical Society of America** 28
- Journal of the American Chemical Society** 29
- Journal of the American Mosquito Control Association** 138
- Journal of Trauma** 119, 145
- Journal of Travel Medicine** 12
- Journal of Virological Methods** 81
- Journal of Virology** 10, 77, 87, 111
- Korean Journal of Entomology** 174
- Lancet** 19, 61, 86, 187
- Leader information moderating strains associated with work unpredictability in the U.S. Army**
396
- Malaria in Pregnancy: Deadly Parasite, Susceptible Host** 381, 382, 383
- Measuring sleep and work demands in U.S. Army senior leaders** 391
- Medecine Tropicale** 48, 125
- Medical and Veterinary Entomology** 66, 144, 156
- Memorias do Instituto Oswaldo Cruz** 142
- Microbial Pathogenesis** 183

- Military Medicine** 22, 23, 40, 115, 146
- Molecular and Biochemical Parasitology** 126, 132, 150
- Molecular Biology of the Cell** 284, 314, 357
- Molecular Ecology Notes** 32
- Molecular Immunology** 351
- Molecular Medicine** 166
- Molecular Microbiology** 13
- Molecular Phylogenetics and Evolution** 172
- Nature Immunology** 208
- Neuropathology and Applied Neurobiology** 113
- Neuroreport** 89
- Parasitology Research** 158
- Peptides** 98
- Pharmacological Research** 18
- Pharmacology, Biochemistry, and Behavior** 93
- Physiology & Behavior** 58, 114
- Phytotherapy Research : PTR** 5
- Platelets** 7
- Proceedings of the American Association for Cancer Research Annual Meeting** 256
- Proceedings of the National Academy of Sciences of the United States of America** 123
- Proceedings of the XI International Conference on Electrical Bio-Impedance, June 17-21, 2001, Oslo, Norway** 380
- Retention and the US Army officer in Europe** 392
- Sexually Transmitted Diseases** 161
- Sleep** 220, 331, 367
- Soldier dimensions and operational readiness in U.S. Army forces deployed to Kosovo** 389
- Southeast Asian Journal of Tropical Medicine and Public Health** 136
- Studies into militarily relevant infectious diseases of interest to both United States and Royal Thai governments** 395

- Tetrahedron Letters** 149
- Toxicologic Pathology** 102
- Toxicological Sciences** 376
- Toxicology** 50
- Transactions of the Royal Society of Tropical Medicine and Hygiene** 14
- Transfusion** 20, 73, 74, 75, 191
- Trends in Parasitology** 68, 70, 105
- U.S. soldier peacekeeping experiences and wellbeing after returning from deployment to Kosovo**
386
- U.S. soldiers and peacekeeping deployments** 385
- Vaccine** 3, 64, 92, 120, 155, 173
- Veterinary Pathology** 200
- Virology** 27
- Vox Sanguinis** 76
- Working in the zone: maintaining optimal readiness in U.S. soldiers** 390

SUBJECT INDEX

- 3' Untranslated Regions** 45, 81, 130, 357
4,4'-phosphonicobis(butane-1,3-dicarboxylic acid) 375
6-Aminocaproic Acid 337
ABO Blood-Group System 21
Acanthocytes 366
Acetylcholinesterase 93, 149, 213
Acoustic Stimulation 167, 221, 361
Acquired Immunodeficiency Syndrome 27
Acridines 31, 43
Actigraph 391
Adenine 73
Adenoviridae 159
Adenoviridae Infections 159
Adjuvants, Immunologic 308, 349
Administration, Inhalation 215
Administration, Intranasal 124
Administration, Oral 182
Aedes 54, 138, 186, 259
Aerospace Medicine 23
Africa 86
AIDS Vaccines 10, 395
Air Ambulances 109
Alcohol 386, 387, 394
Alleles 83
Alpha-phenyl-n-tert-butylnitron 296
alpha-Tocopherol 7
Alternative Splicing 130, 131

- Altitude** 109
AMA-1 313, 317
Amidines 348
Aminoquinolines 41, 47, 48, 165
Amyloid beta-Protein 363
Analgesics, Opioid 65, 202
Anaphylatoxins 350
Anemia 344, 364
Anesthesia, Local 212
Animal Husbandry 395
Animal Welfare 67
Anopheles 31, 32, 127, 142, 156, 174, 240, 249, 283
Anoxemia 109
Anti-HIV Agents 96
Anti-Infective Agents, Fluoroquinolone 31, 112
Anti-Infective Agents, Quinolone 227
Anti-Inflammatory Agents, Steroidal 129
Antibodies 305, 306
Antibodies, Bacterial 196, 198, 365
Antibodies, Blocking 188
Antibodies, Monoclonal 77, 188, 304
Antibodies, Protozoan 3, 148, 150, 160
Antibodies, Viral 159
Anticoagulants 20
Anticonvulsants 57
Antigens 329
Antigens, Bacterial 154
Antigens, CD28 72

- Antigens, CD3** 52, 72
Antigens, CD45 199
Antigens, Differentiation, T-Lymphocyte 369
Antigens, Protozoan 55, 105, 132, 148, 158, 160, 241, 262, 313
Antigens, Surface 230, 255
Antigens, Viral 36
Antimalarials 1, 5, 14, 15, 16, 31, 43, 44, 47, 48, 86, 88, 91, 122, 123, 125, 136, 164, 165, 171, 176, 181, 182, 206, 226, 245, 251, 253, 258, 260, 270, 275, 287, 291, 294, 303, 319, 327, 336, 346
Antineoplastic Agents, Phytopgenic 179
Antioxidants 280
Antiprotozoal Agents 41, 117, 225, 348
Antiretroviral Therapy, Highly Active 96
Antitubercular Agents 5
Aotus trivirgatus 70, 90
Apicomplexa 122
Apoptosis 6, 214, 236, 376
Appetitive Behavior 127
Apyrase 190
Arachidonate 5-Lipoxygenase 6
Arachidonic Acid 6
Arteether 239, 251, 292, 293, 343
Artelinic Acid 245, 294, 303, 343
Artemisinin 252, 366
Artesunate 182, 327, 346
Artesunic Acid 291, 303
Arylamine N-Acetyltransferase 374
Aspartic Endopeptidases 88
Asthma 393

Attention Deficit Disorder with Hyperactivity 393

Auditory Perception 58

Australia 48

Avoidance Learning 93, 213

Azithromycin 60

B-Lymphocytes 51

Bacterial Adhesion 157

Bacterial Outer Membrane Proteins 33

Bacterial Proteins 143, 183

Bacterial Vaccines 8

Baculoviridae 132

Balkans 385

Bandages 146, 332, 337

Bangladesh 318

Base Sequence 87

Bedbugs 190

Bedding and Linens 246

Bednets 246

Benzhydryl Compounds 331, 367

Biguanides 270

Binding 255

Binding Sites 15, 77, 248

Biological Transport 329

Blast Injuries 115

Blood 66, 177

Blood-Brain Barrier 59, 289

Blood Coagulation 7

Blood Coagulation Disorders 119, 334

- Blood Donors** 20, 21
Blood Platelets 7, 214
Blood Preservation 74, 75, 76, 191, 218, 263, 301, 333, 346
Blood Specimen Collection 210
Blood Substitutes 2
Body Temperature 63
Bosnia 387
Bosnia-Herzegovina 115
Botulinum Toxin Type A 268
Brain 343
Brain Injuries 219, 236, 237, 269, 289, 295, 296, 302
Brain Ischemia 9, 224, 261, 355
Brain Mapping 113
Brazil 142
Breast 118
Breast Neoplasms 6, 256, 257
Bronchi 216, 217
Brucella abortus 53
Brucella melitensis 53, 124, 244
Brucellosis 124
Buprenorphine 65
Butyrylcholinesterase 338
Caffeine 274, 331, 367
Calcium 129
Calcium Signaling 51, 128
Cameroon 27
Campylobacter 227, 266
Campylobacter coli 82

- Campylobacter Infections** 82, 198
Campylobacter jejuni 82, 198
Capsid 108
Capsules 274
Carbanilides 88
Carbohydrates 255
Carboxypeptidases 203
Career decisions 392
Carrier Proteins 38, 53, 82, 90, 132, 166, 248, 315
Carrier State 234
Cat Diseases 200
Cations 15, 348
CD4-Positive T-Lymphocytes 77, 87, 104, 155, 199, 369
Cefixime 60
Cell Adhesion 192, 211, 381, 383
Cell Adhesion Molecules 321
Cell Culture 177
Cell Differentiation 111
Cell Hypoxia 279
Cell Membrane 276
Cell Separation 139
Central Nervous System Stimulants 274, 331, 367
Cerebral Cortex 9, 93
Cerebrovascular Circulation 228
Chemical Warfare Agents 57
Chemokines 243
Chemokines, CXC 83
Chewing Gum 274

- Chloroguanide** 14
Chloroquine 15, 16, 44, 123, 171, 181, 258, 309
Cholera 37
Cholera Toxin 37
Cholera Vaccines 180
Cholesterol 329
Cholic Acids 201
Cholinergic Antagonists 167
Cholinesterase Inhibitors 93, 149, 363
Chondroitin Sulfates 192, 211, 383
Chromatography 36
Chromatography, High Pressure Liquid 212
Chronic Disease 163
Ciprofloxacin 112
Circadian Rhythm 63
Circumsporozoite Protein 160
Citric Acid 20
Clinical Trials 70, 235, 254, 345, 356
Cognition 356
Colitis 209
College Students 271
Colombia 171
Colonization Factor 255
Colonization Factor Antigen I 230
Communication 385, 396
Complement 350, 351, 353, 364
Complement Activation 178, 179, 358
Complement Inactivators 151

- Complementarity Determining Regions** 10
- Conflict-related tactics** 386
- Conserved Sequence** 81
- Consumer Satisfaction** 40
- Contrast Media** 178
- Cooperative Behavior** 395
- Corticosterone** 93
- Cosmic Radiation** 85
- Coumarins** 184
- CpG Islands** 140
- Craniocerebral Trauma** 295
- Cremophore** 292
- Critical Care** 109
- Cross-Linking Reagents** 46
- Cryopreservation** 191, 218, 263, 301, 333, 346
- Cyclic GMP** 241
- Cyclin-Dependent Kinases** 110, 253, 371
- Cyclins** 110
- Cyclosporine** 102
- Cytokines** 42, 102, 344
- Cytoskeleton** 268
- Czech Republic** 152
- Dactinomycin** 377
- Data Interpretation, Statistical** 393
- Datapak** 288
- Days on training exercises** 390
- Days training** 388
- DEET** 40

- Dehydroepiandrosterone Sulfate** 106
- Dendritic Cells** 111, 116, 139, 326
- Dengue** 24, 36, 175, 186, 214, 235, 242, 259, 300, 340, 360, 362, 378
- Dengue Hemorrhagic Fever** 62, 103, 116
- Dengue Virus** 24, 36, 45, 62, 81, 92, 103, 111, 116, 155, 175, 186, 214, 235, 254, 278, 300, 326, 340, 360, 362
- Dental High-Speed Equipment** 49
- Dental Instruments** 49
- Deployment cycle** 385, 387
- Deployment length** 390
- Deployment time** 388
- Depression** 387, 394
- Dermacentor** 99
- Developing Countries** 356
- Dexamethasone** 128, 129
- Diabetes Mellitus, Non-Insulin-Dependent** 134, 135
- Diamidines** 348
- Diarrhea** 84, 147, 198, 267
- Dihydrolipoate** 280, 281
- Discrimination Learning** 57
- Disease Models, Animal** 119, 124, 144, 146
- Disease Outbreaks** 68, 159, 234
- Disease Progression** 83
- Disease Transmission, Horizontal** 61
- Disulfides** 46, 150
- Diterpenes** 336
- DNA, Bacterial** 168, 193
- DNA-Binding Protein, Cyclic AMP-Responsive** 170
- DNA-Directed DNA Polymerase** 208

- DNA Fingerprinting** 259
DNA, Mitochondrial 172
DNA, Protozoan 204, 210
Dog Diseases 17, 339
Doxycycline 181
Drug Delivery Systems 178
Drug Design 125, 163
Drug Evaluation, Preclinical 18
Drug Hypersensitivity 178, 179
Drug Interactions 2
Drug Resistance 16, 86, 91, 123, 137, 164, 171, 176, 258, 266, 309, 318, 319, 323
Drug Resistance, Bacterial 112, 227
Drug Resistance, Multiple 327
Drugs, Chinese Herbal 162
Dry Ice 263, 333
Dynorphins 296
Dysentery, Bacillary 65, 227, 320
EBA-175 132, 166, 315, 316, 322
Eicosanoids 6
Electric Impedance 380
Electroencephalography 113, 203, 228, 261
Electrolytes 75
Electron Spin Resonance Spectroscopy 2
Encephalitis, Japanese 12, 173, 286, 347
Encephalitis Virus, Japanese 79, 80, 173, 286
Encephalomyelitis, Venezuelan Equine 328
Endemic Diseases 62
Endopeptidases 183

- Entamoebiasis** 94
- Enteritis** 151
- Enterotoxins** 102, 230, 243, 255, 310
- Enzyme Activation** 170
- Enzyme Inhibitors** 206
- Enzyme-Linked Immunosorbent Assay** 148, 290, 308
- Epidemiology** 232, 393
- Epidermal Growth Factor** 118
- Epidermis** 330
- Epithelial Cells** 118, 216, 217
- Epithelium** 30
- Epitopes** 188
- Epitopes, T-Lymphocyte** 378
- Erythrocyte Membrane** 255, 364
- Erythrocytes** 13, 73, 74, 75, 76, 107, 133, 158, 166, 191, 192, 211, 307, 315, 316, 322, 364
- Erythropoiesis** 21
- Escherichia coli** 33, 46, 101, 147, 157, 230, 255, 266
- Escherichia coli Infections** 147
- Escherichia coli Vaccines** 33
- Evidence-Based Medicine** 393
- Exchange Transfusion, Whole Blood** 119, 335
- Excitatory Amino Acid Agonists** 9
- Excitatory Amino Acid Antagonists** 9
- Exocytosis** 268
- Eye Movements** 298
- Factor VII** 119
- Factor VIIa** 302
- Family** 385

- Fatigue Syndrome, Chronic** 63
- Fatty Acids** 256, 257
- Fatty Acids, Monounsaturated** 29
- Feces** 154
- Feedback** 222
- Feeding Behavior** 259
- Feeding Methods** 66
- Fentanyl** 202
- Fibrin** 146, 337
- Fibrinogen** 146, 332
- Fimbriae, Bacterial** 37, 157
- Fixation, Ocular** 298
- Flow Cytometry** 139
- Fluorescence** 112
- Fluorescent Dyes** 24, 81, 325, 373
- Folic Acid Antagonists** 287
- Food Deprivation** 50, 297
- Food Poisoning** 234
- Francisella tularensis** 143
- Freeze Drying** 73
- Gambia** 19
- Gametogenesis** 35
- Garrison** 387
- Gene Deletion** 10, 207
- Gene Expression** 126, 199, 224, 233, 265, 282, 310, 328, 368
- Gene Expression Profiling** 13, 328
- Gene Expression Regulation** 128, 194, 239, 243, 279, 353
- Gene Expression Regulation, Bacterial** 37

- Gene Expression Regulation, Developmental** 35
- Gene Products, env** 10
- Genes, Immunoglobulin** 208
- Genes, ras** 118
- Genetics, Population** 172
- Genome, Bacterial** 143
- Genome, Protozoan** 126, 372
- Genome, Viral** 27, 185
- Genotype** 121, 123
- Germ-Line Mutation** 4
- Giardiasis** 94
- Glucocorticoids** 129
- Glucose** 73
- Glutamates** 98, 269
- Glutamic Acid** 89
- Glycerol** 191
- Glycine** 9
- Glycolipids** 157
- Glycophorin** 132
- Glycoproteins** 157, 255
- Glycosylation** 316, 317
- Glycosylphosphatidylinositols** 160
- Glycosyltransferases** 53
- Gonorrhea** 161
- Government Agencies** 25
- GPI-5232** 375
- Gravidity** 133
- Grooming** 114

- Guanidines** 348
- Guinea Pigs** 65
- Haiti** 62
- Halofantrine** 1
- Hand Dermatoses** 195
- Haplotypes** 372
- HB Anti-Malaria Kit** 290
- Health** 389
- Health Planning Guidelines** 91
- Heat-Shock Proteins** 70 42
- Helicobacter Infections** 154
- Helicobacter pylori** 154
- Hemangioma** 4
- Hematopoietic Stem Cell Transplantation** 21
- Hemin** 43
- Hemodynamics** 350
- Hemoglobins** 2, 301
- Hemorrhage** 71, 119, 146, 215, 289, 337
- Hemostatics** 332
- Hepatitis B** 312
- Hepatitis B Virus** 312
- Hepatitis C** 134
- Hepatitis E** 342
- Hepatitis E virus** 69, 342
- Hepatocytes** 238
- Hibernation** 374
- Hip Injuries** 332
- Hippel-Lindau Disease** 4

- History of Medicine** 205
- History of Medicine, 20th Cent.** 107
- HIV-1** 10, 22, 26, 27, 30, 39, 61, 77, 78, 83, 87, 121, 141, 152, 153, 185, 304
- HIV Antibodies** 96, 141
- HIV Envelope Protein gp120** 77, 121, 141
- HIV Infections** 22, 26, 30, 39, 61, 78, 83, 87, 96, 141, 152, 153, 185, 395
- HIV Seropositivity** 61
- HIV Seroprevalence** 153
- HLA-B Antigens** 378
- Homeopathy** 89
- Honduras** 138
- Housing, Animal** 67
- Huperzine A** 149
- Huperzine B** 149
- Hyaluronic Acid** 192
- Hydrolases** 384
- Hydroxyeicosatetraenoic Acids** 6
- Hypersensitivity** 351
- Hypertension, Pulmonary** 71
- Hypotension** 145, 289
- Hypothermia, Induced** 119
- Hypoxia, Brain** 18
- Ileum** 147
- Image Processing, Computer-Assisted** 11
- Imipramine** 16
- Immune Response** 160, 229, 230, 264
- Immunity** 320
- Immunity, Cellular** 96

- Immunity, Natural** 360
Immunization 64
Immunoassay 55, 154
Immunoenzyme Techniques 342
Immunoglobulin A 198
Immunoglobulins 120
Immunologic Memory 69, 199
Immunosuppression 381
Immunosuppressive Agents 102
Immunotherapy, Active 8
Incidence 84
Indoles 225, 226
Indonesia 181
Infarction, Middle Cerebral Artery 113, 236
Inflammation 217, 224, 307, 381
Informed Consent 356
Infusions, Intravenous 120
Injections, Intravenous 145, 178, 351
Injections, Jet 3
Inner City 271, 272
Inoviridae 37
Insect Repellents 97
Insect Vectors 142, 156, 186, 189, 240, 259, 283
Insecticides, Botanical 138
Intercellular Adhesion Molecule-1 321
Interferon Type II 111, 243
Interleukin-2 169, 170
Interleukin-8 216

- International Cooperation** 163
Intestinal Diseases, Parasitic 94
Intestine, Small 157
Intracranial Hemorrhages 295
Intracranial Hypertension 347
Intranasal 230
Ion Channels 59
Iron Chelating Agents 136
Ischemia 368
Isoenzymes 72, 170
Ixodes 100
Japanese Encephalitis Vaccines 12, 80, 173, 286
Junior High Students 271, 272
Junior officers 392
Jurkat cells 376
Kenya 68, 127, 240, 283, 323
Keratinocytes 330
Keratoconjunctivitis, Infectious 65
Kidney Failure, Acute 71
Klebsiella 120
Korea 174, 290
Kosovo 386, 387
Laboratories 271, 272
Lactate Dehydrogenase 370
Lactic Acid 223
Lasers 341, 379
Leadership 389, 396
Lectins 53

- Leishmania** 117, 225, 373
Leishmania donovani 34, 148
Leishmania major 189
Leishmaniasis 189, 204
Leishmaniasis, Cutaneous 117, 144
Leishmaniasis, Visceral 41, 148, 339
Leprosy, Lepromatous 197
Leptospirosis 311
Leukocytes 321
Leukocytes, Mononuclear 87, 196, 244, 365
Ligands 248
Ligases 4
Light 298, 341
Linkage Disequilibrium 372
Lipopolysaccharides 33, 42, 56
Liposomes 2, 178, 329, 351
Lipoxygenase 29
Lipoxygenase Inhibitors 6
Liver 119, 146, 184
Liver Diseases, Parasitic 14
Long QT Syndrome 1
Longevity 50
LSA-1 262
Luminescent Proteins 244
Lung 50, 102
Lung Diseases 50, 71
Lupus Erythematosus, Systemic 51, 52, 130, 131, 169, 187, 314, 357
Lymphocyte Function-Associated Antigen-1 321

- Lymphocytes** 310
- Lymphoma, T-Cell** 197
- Macaca mulatta** 45, 102, 139, 144, 304, 308, 349
- Macedonia** 387
- Macrophage-1 Antigen** 321
- Macrophages** 42, 121, 207
- Magnetic Resonance Spectroscopy** 276
- Malaria** 48, 70, 125, 142, 160, 164, 181, 240, 247, 283, 290, 344, 345, 352, 370, 381, 382, 383
- Malaria Antigen** 30 290
- Malaria, Falciparum** 14, 19, 55, 68, 86, 90, 91, 95, 105, 106, 133, 165, 182, 210, 264, 277, 308, 318, 321, 323, 327, 335, 349, 364
- Malaria Vaccines** 3, 19, 46, 70, 90, 95, 105, 150, 231, 264, 277, 308, 349, 359
- Malaria, Vivax** 31, 44, 46, 47, 171, 210, 359
- Mannitol** 73
- Markers** 307
- Maze Learning** 58
- Mefloquine** 327
- Melanoma** 17
- Membrane Proteins** 123, 129, 130, 241, 313
- Memory** 297, 369
- Mental Disorders** 393
- Mental health** 387
- Merozoite Surface Protein 1** 46, 188, 317
- Mesentery** 151
- Methylene Blue** 252
- Metronidazole** 60
- Micelles** 178, 201, 351
- Micro-Impulse Radar** 324

- Microdialysis** 343
- Microsatellite Repeats** 32, 85
- Microsomes, Liver** 238
- Military Deployment** 385, 389
- Military Medicine** 23, 115, 135, 232, 288, 295, 324, 354, 393, 395
- Military Personnel** 23, 40, 47, 48, 62, 125, 153, 159, 174, 288, 385, 393
- Mitogen-Activated Protein Kinases** 108, 253, 273
- Models, Biological** 109, 184
- Models, Chemical** 275
- Moderator** 396
- Molecular Probes** 373
- Monitoring, Physiologic** 288
- Monocytes** 42, 244, 307
- Mosquito Control** 127, 138, 174, 246
- Motion Perception** 11
- MSP-1** 317
- Muromonab-CD3** 104
- Muscle, Smooth** 209
- Musculoskeletal Diseases** 115
- Mustard Gas** 330, 376
- Mutation** 85, 87, 130, 208, 258
- Mutation, Missense** 131
- Myanmar** 311
- Mycobacterium** 8
- Mycobacterium tuberculosis** 5
- N-acetylated alpha-linked acidic dipeptidase** 375
- N-Acetylneurameric Acid** 132
- N-Methylaspartate** 375

NAD+ ADP-Ribosyltransferase 219

NADH Dehydrogenase 172

Naphthoquinones 14, 176

Nasopharynx 39

Naval Medicine 23

Neisseria gonorrhoeae 161

Neisseria meningitidis 33

Nepal 12, 312

Nerve Block 23

Nerve Degeneration 224

Neurons 9, 89, 236, 239, 268, 293, 296

Neuropeptides 201

Neuroprotective Agents 9, 18, 59, 89, 98, 203, 237, 269, 280, 281, 296, 354, 355, 363, 375

Neutropenia 214

Neutrophils 214, 307

NF-kappa B 72, 108

Nigeria 258

Nitric Oxide 216, 360

Nitric-Oxide Synthase 279

Nitrogen Dioxide 216, 217

Nitrogen Oxides 296

Nitrones 280, 281

Noise 28

Norepinephrine 215

NOW ICT 250

Nucleosidases 34

Nutrition 247

O Antigens 120

- Oligodeoxyribonucleotides** 140
Oligodeoxyribonucleotides, Antisense 256, 257
Oligonucleotide Array Sequence Analysis 13, 282, 310, 328
Oogenesis 177
Operational demands 391, 392
Opossums 99
Organophosphorus Compounds 57
Orientation 58
Orientia tsutsugamushi 196, 365
Oxidants, Photochemical 50
Oxidative Stress 280, 281
Oxidoreductases 122
Oxygen 109, 215, 223
Oxygen Consumption 176
Ozone 50
Paclitaxel 179
Pain 23
Paint 40
Papua New Guinea 123, 246, 309
Parasitic Sensitivity Tests 319
PARP 219
Peace Support Operations 385, 386
Peptide Fragments 121, 141
Peru 154, 180, 327
Phagocytes 244
Phagocytosis 214
Pharmaceutical Solutions 75
Pharmacokinetics 294

- Phenanthrenes** 1
- Phenotype** 121, 123
- Pheromones** 127
- Phlebotomus** 66, 144, 189, 190
- Phosphoproteins** 72
- Phosphorylation** 104
- Photoreceptors** 379
- Physicians** 232
- Phytotherapy** 5
- Pichia** 315, 316, 317
- Pigment Epithelium of Eye** 341
- Pigments** 249
- Piperidines** 97
- Placenta** 133, 192, 211, 383
- Plague** 200
- Plant Extracts** 5
- Plant Preparations** 163
- Plants, Medicinal** 5, 162, 163, 336
- Plasma** 338, 346
- Plasmids** 168, 193
- Plasmodium** 142, 164, 352, 370, 381, 382, 383
- Plasmodium berghei** 107
- Plasmodium falciparum** 3, 5, 13, 16, 19, 35, 43, 55, 86, 88, 90, 95, 101, 105, 110, 122, 123, 126, 132, 136, 137, 150, 156, 158, 166, 176, 181, 188, 192, 206, 210, 211, 231, 233, 241, 248, 250, 252, 253, 258, 262, 264, 265, 273, 277, 282, 299, 308, 309, 313, 317, 318, 319, 321, 323, 325, 327, 335, 349, 371, 372
- Plasmodium gallinaceum** 107
- Plasmodium ovale** 352
- Plasmodium vivax** 31, 46, 156, 171, 174, 177, 181, 210, 250, 299, 325
- Plateletpheresis** 20

- Platelets** 307
- Pneumothorax** 221
- Point Mutation** 258
- Polyenes** 76
- Polymerase Chain Reaction** 82, 112, 204, 373
- Polymorphism (Genetics)** 32, 123, 130, 131, 172, 352
- Polyvinyl Chloride** 76
- Population Surveillance** 25
- Positive-Pressure Respiration** 109
- Post-deployment** 394
- Post-traumatic stress** 387
- Post-traumatic symptoms** 386
- Potassium Chloride** 269
- Pregnancy Complications, Infectious** 60, 312, 381, 382, 383
- Pregnancy Complications, Parasitic** 133
- Preoptic Area** 114
- Prevalence** 312
- Preventive Health Services** 25
- Preventive Medicine** 232
- Primaquine** 44, 165
- Prodrugs** 270
- Prognosis** 22
- Prolactin** 93
- Promoter Regions (Genetics)** 130, 170, 194
- Propyl Gallate** 337
- Prospective Studies** 84
- Prostate** 38
- Prostatic Neoplasms** 38, 256, 257

- Protease Inhibitors** 203
- Proteasome** 268
- Proteasome Inhibitors** 355
- Protein Binding** 248, 256, 257
- Protein Disulfide-Isomerase** 207
- Protein Folding** 241
- Protein Kinase C** 72, 170
- Protein Kinases** 253
- Protein p16** 110
- Protein-Serine-Threonine Kinases** 206
- Protein-Tyrosine Kinase** 72
- Proteins** 55, 108, 353
- Proteochondroitin Sulfates** 133
- Protirelin** 18, 98
- Proton Pumps** 336
- Protozoan Proteins** 3, 90, 95, 101, 110, 132, 150, 158, 160, 166, 241, 248, 313, 352, 371
- Protozoan Vaccines** 189
- PS-519** 355
- Pseudomonas** 120
- Psoriasis** 8
- Psychodidae** 172
- Psychological distress rates** 388
- Psychological screening** 387, 394
- Psychomotor Performance** 220, 331, 367
- Puberty** 106
- Puerto Rico** 5
- Pulmonary Alveoli** 71
- Purines** 34

- Pyrethrins** 138
Pyridones 136
Pyridostigmine Bromide 93, 213
Pyrimethamine 86
Quantitative Structure-Activity Relationship 225, 226
Quantum Theory 15
Quinazolines 225, 226, 260
Rabbits 67
Raccoons 99
Rats, Sprague-Dawley 291, 303
Reagent Kits, Diagnostic 55, 156, 250, 370
Recall 58
Receptor-CD3 Complex, Antigen, T-Cell 284
Receptors, Adrenergic 209
Receptors, Antigen, T-Cell 52, 128, 129, 130, 314, 357
Receptors, Antigen, T-Cell, gamma-delta 131
Receptors, CCR5 83
Receptors, Chemokine 83
Receptors, Complement 151
Receptors, Complement 3d 194
Receptors, Cytoplasmic and Nuclear 6
Receptors, Glutamate 59
Receptors, HIV 121
Receptors, IgE 52, 284
Receptors, IgG 51
Receptors, Immunologic 157
Receptors, Metabotropic Glutamate 9
Receptors, N-Methyl-D-Aspartate 59

- Receptors, Purinergic P1** 350
- Recombinant Proteins** 119
- Recombination, Genetic** 26, 27, 78
- Recurrence** 44
- Red-Cell Aplasia, Pure** 21
- Relief Work** 115
- Reperfusion Injury** 151, 224
- Replicon** 168
- Research** 232, 271, 272
- Respiratory Distress Syndrome, Adult** 109
- Respiratory Tract Infections** 159
- Resuscitation** 295
- Retention** 392
- Reticulocyte Count** 245
- Retinal Neoplasms** 4
- Reverse Transcriptase Polymerase Chain Reaction** 24, 81, 175, 254, 362, 374
- Rheoencephalography** 228
- rhoA GTP-Binding Protein** 268
- Rickettsia** 99, 100
- Rickettsia rickettsii** 183
- Risk** 198
- RNA, Messenger** 131, 256, 357
- RNA, Viral** 22, 24, 30, 39, 81, 175, 360, 362
- Rotavirus** 108
- S-Adenosylhomocysteine** 384
- Saimiri.** 70
- Salivary Proteins** 189
- Salmonella** 266

- Science** 271
Sciuridae 374
Scleroderma, Systemic 71
Scrophulariaceae 336
Scrub Typhus 196, 365
Seizures 261, 347
Selection (Genetics) 372
Senior leaders 391, 392
Sepsis 33
Sequence Analysis 126
Sequence Analysis, DNA 143, 352
Sequestration 381, 383
Sera 306
Serine Endopeptidases 330
Seroepidemiologic Studies 312
Serologic Tests 148
Serotyping 81
Sesame Oil 292
Sesquiterpenes 58, 59, 149, 182, 245, 251, 291, 292, 294, 303, 327, 366
Sexually Transmitted Diseases 60
Shigella 266
Shigella flexneri 56, 193, 207, 320
Shigella sonnei 320
Shigella Vaccines 56, 320
Shikimic Acid 265
Shock 229
Shock, Cardiogenic 350
Shock, Hemorrhagic 222, 223

- Shock, Septic** 102, 243, 377
Sick days 386
Signal Transduction 108, 131
Simian Acquired Immunodeficiency Syndrome 304
SIV 304
Skin Diseases, Parasitic 195
Skin Neoplasms 197
Sleep 386, 390, 391
Sleep Deprivation 220, 331, 367
Social Environment 297
Sodium Channels 237, 368
Sodium Chloride 73
Sodium Dodecyl Sulfate 201
Soft Tissue Neoplasms 17
Soldier well-being 396
South America 26, 123
Soybeans 29
Space Flight 85
Spinal Cord Ischemia 296
Squalene 305, 306
Squirrels 374
Staphylococcus 243, 310
Staphylococcus aureus 234
Startle Reaction 167
Stomach Diseases 94
Stress 93, 385, 386, 389, 391, 394, 396
Stress-Activated Protein Kinases 273
Stress, Psychological 213, 297

- Students** 272
- Summer Programs** 271
- Superantigens** 102, 377
- Survival Rate** 50
- Swine** 119, 145, 146, 337, 342, 350
- Swine, Miniature** 109, 202
- Sympathetic Nervous System** 209
- T-Lymphocyte Subsets** 22
- T-Lymphocytes** 64, 121, 128, 129, 131, 169, 170, 284, 314, 357, 378
- T-Lymphocytes, Cytotoxic** 150, 155
- Tafenoquine** 165
- Tanzania** 78
- Teaching** 271
- Technology, Pharmaceutical** 125
- Tennessee** 99
- Tetrahydrofolate Dehydrogenase** 86
- Th2 Cells** 160
- Thailand** 30, 31, 39, 47, 82, 100, 141, 185, 227, 242, 266, 290, 299, 311, 395
- Therapeutics** 229
- Thrombin** 145, 332
- Thrombocytopenia** 214
- Tick Infestations** 99
- Toxins** 229
- Toxoplasma** 122
- Transcription Factors** 6, 194
- Transcription, Genetic** 118
- Transmission** 174, 240, 247, 283, 339
- Transplantation Chimera** 21

- Transplantation Conditioning** 21
- Travel** 12, 164, 198
- Triazines** 270
- Trichinosis** 195
- Triclosan** 122
- Trimethoprim** 86
- Tropism** 121
- Tryptanthrins** 238, 260
- Tryptophan** 238, 260
- Tumor Cells, Cultured** 85
- Tumor Necrosis Factor** 243, 247
- Two-Dimensional** 11
- Tyrosine** 104
- Ubiquitin** 268
- Uganda** 60, 61
- Umbelliferones** 184
- Unit and soldier readiness** 388
- Up-Regulation** 129
- Urban Population** 283, 323
- Urethritis** 161
- Vaccination** 3
- Vaccines** 64
- Vaccines, Attenuated** 235, 254, 278
- Vaccines, DNA** 3, 69, 90, 160, 166, 189, 231, 248
- Vaccines, Inactivated** 8, 80, 173, 286
- Vaccines, Synthetic** 19, 45, 186
- Vagina** 30, 304
- Variation (Genetics)** 54, 152

- Vasoconstriction** 212
Vasopressins 114
Vero Cells 79, 80, 173
Vibrio cholerae 37
Vietnam 84, 266, 267, 347
Viral Envelope Proteins 79
Viral Hepatitis Vaccines 69
Viral Load 175
Viral Nonstructural Proteins 378
Viral Vaccines 45, 92, 155, 186, 235, 254, 278
Viremia 254
Virulence 37
Wakefulness 331
War 23, 115
Water Deprivation 297
Water Microbiology 37
Weightlessness 85
Well-being psychology 389
West Nile Fever 25
West Nile virus 25
Work hours 388, 390, 391
Work predictability 396
Wounds and Injuries 23, 119, 334, 358
Wounds, Gunshot 361
Xanthurenates 249
Yellow Fever 205
Yersinia enterocolitica 168
Yersinia pestis 112, 200